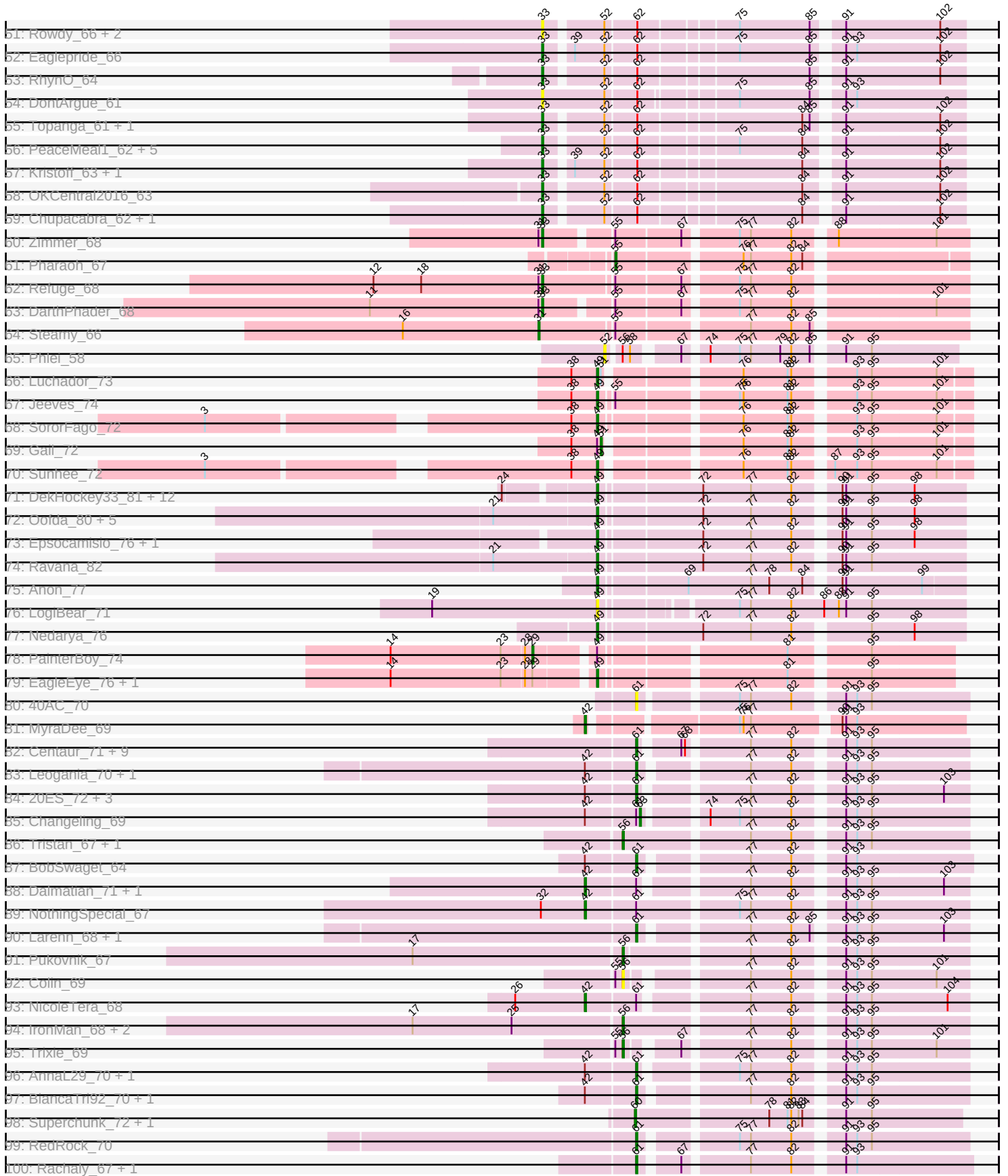
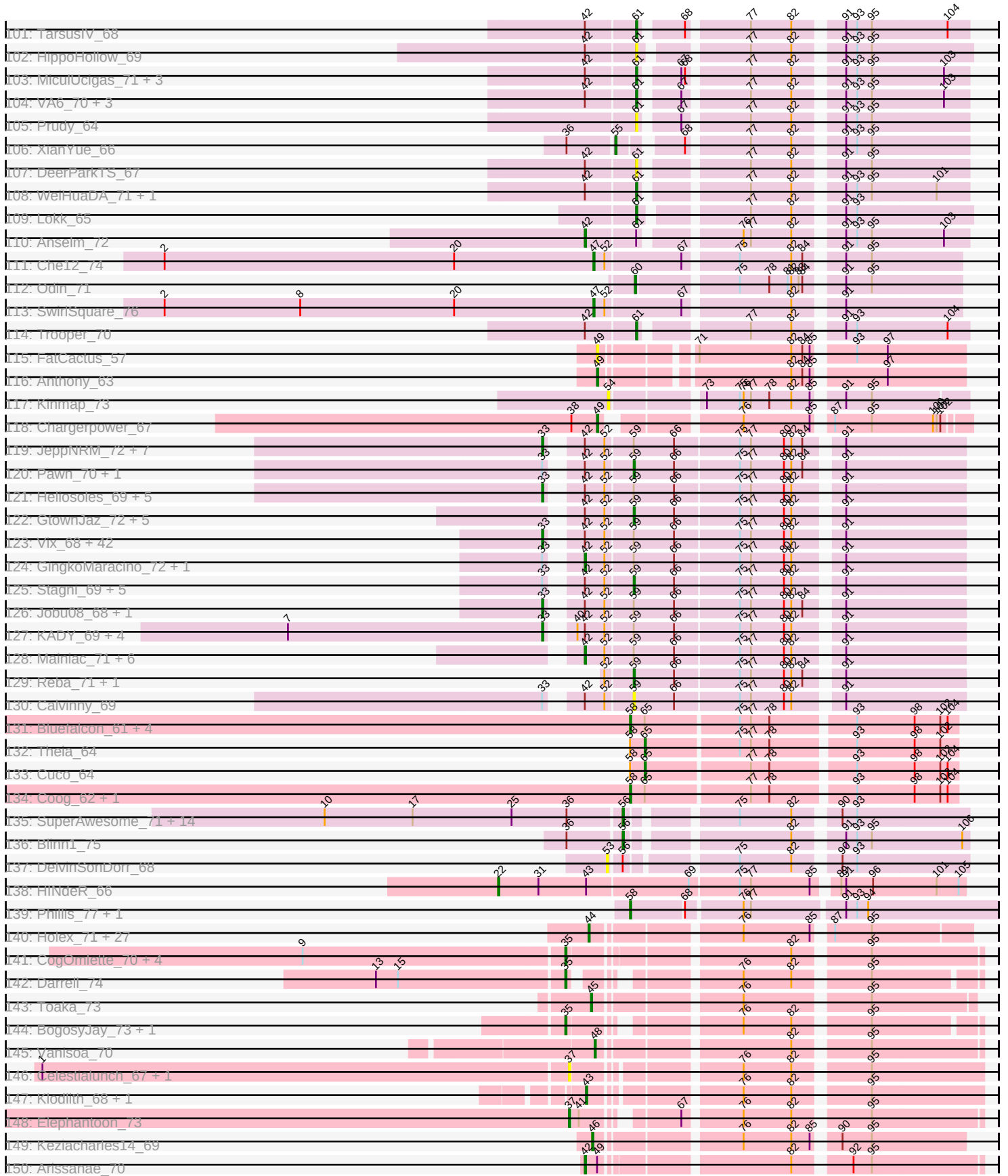




Pham 304592



Pham 304592



Pham 304592

[illegible]

Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 304592 Report

This analysis was run 06/08/26 on database version 649.

Pham number 304592 has 539 members, 63 are drafts.

Phages represented in each track:

- Track 1 : Jerm2_67, Homines_57, Swole_67, CartmannCramer_65, MilleFeuille_68, Petp2012_69, Museum_68, Dynamix_67, NEHalo_63, StrongArm_64, Briton15_70, MaryBeth_63, Lopton_66, SwissCheese_69, Corvo_66, Hope4ever_67, HanShotFirst_67, Arcanine_68, Tote_62, DrFeelGood_64, TwoPeat_67, DreamCatcher_68, Rufus_68, Gwendoluna_70, PSullivan_64, Marcell_62, Moose_67, Chanagan_59, PinkPlastic_65, Pita2_67, Mryolo_64, Ringer_69, MetalQZJ_62, ProMouse_67, Conceptil_70, PattyP_68, Zephyr_67, DD5_66, JuliaChild_67, Burton_67, Lockley_65, Blue_66, Sibs6_68, Slagathor_68, Anglerfish_66, BluSpix_64, Pippin_65, McGuire_66, Sandaddy_63, Rohr_67, Ichabod_70, BeesKnees_68, Arlo_64, IgnatiusPatJac_66, Molly_67, Killigrew_64, U2_62, Rajelicia_66, Bexan_63, Kugel_70, Euphoria_65, Bob3_67, TheloniousMonk_70, Sorpresa_64, QTRlifeCrisis_67, Ciao_63, RidgeCB_66, Forsytheast_67, Magnito_67, Rubeus_65, BaconJack_71
- Track 2 : Gompeii16_66, Peterson_69, PacerPaul_66, Bircsak_66, Target_69, Sunshine924_71, Mule_63, STLscum_75, Alsfro_72, Paraselene_67, Pepe_64, Tasp14_69, Blessier_62, Dulcie_66, Rhynn_62, Sagefire_67, Adahisdi_65, Smairt_68, Marsha_66, Lamina13_69, Hami1_61, Agaliana_61, Perseus_64, Aeneas_69, ILeeKay_68, EnzoK_66, Smeagol_68, Doom_63, ChristmasHams_60, Squee_69, BigPaolini_62, BillKnuckles_63, Switzer_67, Manatee_66, Scowl_67, Carlyle_67, Makemake_72, Big3_66, Gachnar_66, SkiPole_74, BK1_58, PhrostyMug_66, Francis47_65, Zeuska_71, Paphu_65, A6_58, KBG_67, Traft412_69
- Track 3 : Ohno789_67, SpikeBT_64, Altman_68, BPBiebs31_69, Bruns_68, Applejack_66, Ashballer_69, Kanely_67
- Track 4 : Mkhusei_61, Monet_68, Iqorha_61, Wilkins_64, Topgun_63, JC27_70, Fushigi_61, Oogway_64, Marge_62, Inyanga_61, Edtherson_64, Magnar_65, LunarLander_65, Norz_65
- Track 5 : Pinto_66, StewieG_60, Petruccio_68, Kykar_67
- Track 6 : Whitspit_61, KSSJEB_65, Lesedi_62, Trouble_66
- Track 7 : Papez_68, Alvin_65
- Track 8 : Kenmech_70, Levia_63, BarrowTuph_67, PhineBark_65, Abbyshoes_68, Dussy_67, Marchy_59, Teodoridan_65, Payneful_63, Ajay_65, Blackflame_61
- Track 9 : HarryOW_63
- Track 10 : Fajezeel_66, Acme_67, Watermelon_65, Greg_66
- Track 11 : Fascinus_61, Maroc7_65, Phlippers_61, Solon_64, Bigfoot_59
- Track 12 : Beatrix_65
- Track 13 : Zeeculate_65
- Track 14 : GMonster_64

- Track 15 : Froghopper_63, Dreamboat_68, PherrisBueller_67, Jasper_67, Pari_70
- Track 16 : Eyeball_67, Puppet_63, Bones_64
- Track 17 : HermioneGrange_68, MPlant7149_66, BigMau_68
- Track 18 : Aldrich_61, GroundGoblin_62, DirtDevil_63, Turj99_64, KikiBouba_64, Hermia_63, CatBus_61, Noxious_64
- Track 19 : SarFire_65, Gyzlar_61, Thor_65, KyMonks1A_70
- Track 20 : PascalRango_63
- Track 21 : Espresso_63, Gandalf20_68, Tripl3t_70, Niza_68, Michley_70, Parliament_67, Cueyllyss_65
- Track 22 : Violet_63
- Track 23 : Sumter_62
- Track 24 : Licorice_66, Buttons_62
- Track 25 : Rutherford_67
- Track 26 : Abrogate_660
- Track 27 : JackSparrow_69, CactusRose_67, Crispicous1_63
- Track 28 : Wheeler_68
- Track 29 : Atkinbua_69
- Track 30 : Bethlehem_67
- Track 31 : GageAP_67, AFIS_62
- Track 32 : Barriga_68
- Track 33 : PowerRanger_65
- Track 34 : Marco3_72
- Track 35 : Fenn_72, Naira_71
- Track 36 : McSinger_63, Snazzy_63, Bigchungu_64, ShortQueendom_59
- Track 37 : Jorgensen_71, Treddle_66
- Track 38 : LilBib_65
- Track 39 : Nhonho_65
- Track 40 : Ruotula_72
- Track 41 : Bxb1_59
- Track 42 : Nerujay_71
- Track 43 : MrGordo_69
- Track 44 : Dexes_66
- Track 45 : GrecoEtereo_65
- Track 46 : Pelly_68
- Track 47 : Sanya_62
- Track 48 : Raid_65
- Track 49 : Graduation_71
- Track 50 : Twister_63, WalterMcMickey_63
- Track 51 : Rowdy_66, Shapes_66, DustyMartin_66
- Track 52 : Eaglepride_66
- Track 53 : RhynO_64
- Track 54 : DontArgue_61
- Track 55 : Topanga_61, Edison31_61
- Track 56 : PeaceMeal1_62, Severus_62, Drake94_62, KittenMittens_61, Poompha_61, Trike_61
- Track 57 : Kristoff_63, Rebeuca_65
- Track 58 : OKCentral2016_63
- Track 59 : Chupacabra_62, Goose_65
- Track 60 : Zimmer_68
- Track 61 : Pharaoh_67
- Track 62 : Refuge_68
- Track 63 : DarthPhader_68
- Track 64 : Steamy_66

- Track 65 : Phlei_58
- Track 66 : Luchador_73
- Track 67 : Jeeves_74
- Track 68 : SororFago_72
- Track 69 : Gail_72
- Track 70 : Sunhee_72
- Track 71 : DekHockey33_81, Switzerland_79, Anaysia_80, Boohoo_80, LastResort_78, Rosalind_78, Battleship_82, ReMo_78, KatherineG_80, Looper_79, Nebulosus_77, ShayRa_80, MinecraftSteve_80
- Track 72 : Oofda_80, Remus_81, Strosahl_81, Waits_80, Soups_80, Warrior24_81
- Track 73 : Epsocamisio_76, JSwag_79
- Track 74 : Ravana_82
- Track 75 : Anon_77
- Track 76 : LogiBear_71
- Track 77 : Nedarya_76
- Track 78 : PainterBoy_74
- Track 79 : EagleEye_76, Lucyedi_75
- Track 80 : 40AC_70
- Track 81 : MyraDee_69
- Track 82 : Centaur_71, WideWale_71, Terrific_71, Gratitude_68, Equemioh13_70, Drake55_72, Baehexic_69, Piro94_70, HarryHoudini_71, Updawg_71
- Track 83 : Leogania_70, LionsBait_71
- Track 84 : 20ES_72, First_0071, CRB1_72, LadyBird_74
- Track 85 : Changeling_69
- Track 86 : Tristan_67, Landor_69
- Track 87 : BobSwaget_64
- Track 88 : Dalmatian_71, DudeLittle_69
- Track 89 : NothingSpecial_67
- Track 90 : Larenn_68, Malec_69
- Track 91 : Pukovnik_67
- Track 92 : Colin_69
- Track 93 : NicoleTera_68
- Track 94 : IronMan_68, Phaded_66, Jaan_69
- Track 95 : Trixie_69
- Track 96 : AnnaL29_70, Loser_72
- Track 97 : BiancaTri92_70, Acolyte_62
- Track 98 : Superchunk_72, Caraxes_73
- Track 99 : RedRock_70
- Track 100 : Rachaly_67, Miko_65
- Track 101 : TarsusIV_68
- Track 102 : HippoHollow_69
- Track 103 : MiculUcigas_71, Flare16_71, NaSiaTalie_71, Sknot_71
- Track 104 : VA6_70, AN3_72, Deloris_70, BengiVuitton_70
- Track 105 : Prudy_64
- Track 106 : XianYue_66
- Track 107 : DeerParkTS_67
- Track 108 : WeiHuaDA_71, Kalpine_70
- Track 109 : Lökk_65
- Track 110 : Anselm_72
- Track 111 : Che12_74
- Track 112 : Odin_71
- Track 113 : SwirlSquare_76
- Track 114 : Trooper_70

- Track 115 : FatCactus_57
- Track 116 : Anthony_63
- Track 117 : Kinmap_73
- Track 118 : Chargerpower_67
- Track 119 : JeppNRM_72, PhishRPhriends_68, ACFishhook_69, HaveUMetTed_72, OlanP_70, Kalb97_72, Gemma_69, Manu_71
- Track 120 : Pawn_70, ClownCar_69
- Track 121 : Heliosoles_69, Kalnoky_72, Groupthink_72, Marius_72, Zetzy_69, PurpleHaze_71
- Track 122 : GtownJaz_72, Montavir_67, Croquant_69, Snickers_72, Grif_70, LarryKay_72
- Track 123 : Vix_68, P28Green_72, Ollie_72, MoneyMay_71, EpicPhail_73, Taurus_73, AgronaGT15_69, Phoxy_72, Rummer_71, Aglet_73, Spike509_72, AugsMagnumOpus_75, Grub_70, Cullens_72, Beauxregard13_71, Soshari_74, Lilith_70, Penny1_72, Hercules11_72, Watson_71, Farber_72, Malinsilva_74, MarQuardt_72, Wooldri_74, LBerry_73, SoYo_69, JenCasNa_73, BreSam8_72, Methuselah_65, Marie_70, Pembroke_72, LugYA_75, DaHudson_71, StepMih_71, PGHhamlin_74, PotatoSplit_73, Anubis_75, Microwolf_68, Sabinator_70, Fernando_72, Colbster_68, MuchMore_75, Grum1_71
- Track 124 : GingkoMaracino_72, Gwennie_67
- Track 125 : Stagni_69, Bxz2_67, Iowa_69, Bigflo_69, HashRod_73, Phoebe_73
- Track 126 : Jobu08_68, SoilDragon_71
- Track 127 : KADY_69, Louie6_71, Misomonster_73, BuzzBuzz_66, TinyPebbles_71
- Track 128 : Mainiac_71, Sabia_70, Dieselweasel_72, MadMarie_70, JHC117_68, Tiffany_71, Daishi_71
- Track 129 : Reba_71, Phranny_72
- Track 130 : Calvinny_69
- Track 131 : Bluefalcon_61, Archetta_63, Ghouboy_65, Zolita_64, SydNat_65
- Track 132 : Theia_64
- Track 133 : Cuco_64
- Track 134 : Coog_62, Midas2_62
- Track 135 : SuperAwesome_71, JewelBug_71, Gladiator_69, Cookiedough_71, Polyphemus_73, Neeharika16_70, Priamo_73, Pmask_70, Isiphiwo_69, BABullseye_64, Newrala_71, Dorothea_71, Jordennis_70, McFly_71, SuperCallie99_68
- Track 136 : Blinn1_75
- Track 137 : DelvinSonDorr_68
- Track 138 : HINdeR_66
- Track 139 : Phillis_77, NearlyHeadless_81
- Track 140 : Halex_71, Fayely_71, Myxus_73, Priya_71, Catalina_75, Jiawan_70, ExplosioNervosa_71, Aliter_74, Pioneer_73, Lilleskat_70, Phonnegut_73, Conquerage_71, Alma_71, Tubs_73, Ayanochan_71, HortumSL17_74, PackMan_72, EmyBug_70, Spouty_71, Qobbit_71, Phaeder_73, RyeScarlet_74, Sachima_69, Hanray_71, Scherzo_72, Beemo_73, Ugenie5_68, Eidsmoe_71
- Track 141 : CogOmlette_70, Bellris_70, Rahalelujah_72, Minispark_70, WorldCup_70
- Track 142 : Darrell_74
- Track 143 : Toaka_73
- Track 144 : BogosyJay_73, Maminiaina_73
- Track 145 : Vanisoa_70
- Track 146 : Celestialunch_67, MegTheThird_67
- Track 147 : Klodlith_68, Charm_67
- Track 148 : Elephantoon_73

- Track 149 : Keziacharles14_69
- Track 150 : Arissanae_70
- Track 151 : SheaKeira_67
- Track 152 : DreamTeam1_67
- Track 153 : Yecey3_74
- Track 154 : LoneWolf_73

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 40, it was called in 223 of the 476 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A6_58, AFIS_62, Abbyshoes_68, Acme_67, Adahisdi_65, Aeneas_69, Agaliana_61, Ajay_65, Aldrich_61, Alsfro_72, Altman_68, Alvin_65, Anglerfish_66, Applejack_66, Arcanine_68, Arlo_64, Ashballer_69, Atkinbua_69, BK1_58, BPBiebs31_69, BaconJack_71, Barriga_68, BarrowTuph_67, Beatrix_65, BeesKnees_68, Bethlehem_67, Bexan_63, Big3_66, BigMau_68, BigPaolini_62, Bigchungi_64, Bigfoot_59, BillKnuckles_63, Bircsak_66, Blackflame_61, Blesser_62, BluSpix_64, Blue_66, Bob3_67, Bones_64, Briton15_70, Bruns_68, Burton_67, Buttons_62, Bxb1_59, CactusRose_67, Carlyle_67, CartmannCramer_65, CatBus_61, Chanagan_59, ChristmasHams_60, Ciao_63, ConceptII_70, Corvo_66, Crispicous1_63, Cueyllyss_65, DD5_66, Dexes_66, DirtDevil_63, Doom_63, DrFeelGood_64, DreamCatcher_68, DreamTeam1_67, Dreamboat_68, Dulcie_66, Dussy_67, Dynamix_67, Edtherson_64, EnzoK_66, Espresso_63, Euphoria_65, Eyeball_67, Fajezeel_66, Fascinus_61, Fenn_72, Forsytheast_67, Francis47_65, Froghopper_63, Fushigi_61, GMonster_64, Gachnar_66, GageAP_67, Gandalf20_68, Gompeii16_66, Graduation_71, GrecoEtereo_65, Greg_66, GroundGoblin_62, Gwendoluna_70, Gyzlar_61, Hami1_61, HanShotFirst_67, HarryOW_63, Hermia_63, HermioneGrange_68, Homines_57, Hope4ever_67, ILeeKay_68, Ichabod_70, IgnatiusPatJac_66, Inyanga_61, Iqorha_61, JC27_70, JackSparrow_69, Jasper_67, Jerm2_67, Jorgensen_71, JuliaChild_67, KBG_67, KSSJEB_65, Kanely_67, Kenmech_70, KikiBouba_64, Killigrew_64, Kugel_70, KyMonks1A_70, Kykar_67, Lamina13_69, Lesedi_62, Levia_63, Licorice_66, LilBib_65, Lockley_65, Lopton_66, LunarLander_65, MPlant7149_66, Magnar_65, Magnito_67, Makemake_72, Manatee_66, Marcell_62, Marchy_59, Marco3_72, Marge_62, Maroc7_65, Marsha_66, MaryBeth_63, McGuire_66, McSinger_63, MetalQZJ_62, Michley_70, MilleFeuille_68, Mkhuseli_61, Molly_67, Monet_68, Moose_67, MrGordo_69, Mryolo_64, Mule_63, Museum_68, NEHalo_63, Naira_71, Nerujay_71, Nhonho_65, Niza_68, Norz_65, Noxious_64, Ohno789_67, Oogway_64, PSullivan_64, PacerPaul_66, Papez_68, Paphu_65, Paraselene_67, Pari_70, Parliament_67, PascalRango_63, PattyP_68, Payneful_63, Pelly_68, Pepe_64, Perseus_64, Peterson_69, Petp2012_69, Petruchio_68, PherrisBueller_67, PhineBark_65, Phlippers_61, PhrostyMug_66, PinkPlastic_65, Pinto_66, Pippin_65, Pita2_67, PowerRanger_65, ProMouse_67, Puppet_63, QTRlifeCrisis_67, Raid_65, Rajelicia_66, Rhynn_62, RidgeCB_66, Ringer_69, Rohr_67, Rubeus_65, Rufus_68, Ruotula_72, Rutherford_67, STLscum_75, Sagefire_67, Sandaddy_63, SarFire_65, Scowl_67, ShortQueendom_59, Sibs6_68, SkiPole_74, Slagathor_68, Smairt_68, Smeagol_68, Snazzy_63, Solon_64, Sorpresa_64, SpikeBT_64, Squee_69, StewieG_60, StrongArm_64, Sumter_62, Sunshine924_71, SwissCheese_69,

Switzer_67, Swole_67, Target_69, Tasp14_69, Teodoridan_65, TheloniousMonk_70, Thor_65, Topgun_63, Tote_62, Traft412_69, Treddle_66, Tripl3t_70, Trouble_66, Turj99_64, TwoPeat_67, U2_62, Violet_63, Watermelon_65, Wheeler_68, Whitspit_61, Wilkins_64, Zeeculate_65, Zephyr_67, Zeuska_71,

Genes that have the "Most Annotated" start but do not call it:

- Abrogate_660, BuzzBuzz_66, KADY_69, Louie6_71, Misomonster_73, Sanya_62, TinyPebbles_71,

Genes that do not have the "Most Annotated" start:

- 20ES_72, 40AC_70, ACFishhook_69, AN3_72, Acolyte_62, Aglet_73, AgronaGT15_69, Aliter_74, Alma_71, Anaysia_80, AnnaL29_70, Anon_77, Anselm_72, Anthony_63, Anubis_75, Archetta_63, Arissanae_70, AugsMagnumOpus_75, Ayanochan_71, BABullseye_64, Baehexic_69, Battleship_82, Beauxregard13_71, Beemo_73, Bellris_70, BengiVuitton_70, BiancaTri92_70, Bigflo_69, Blinn1_75, Bluefalcon_61, BobSwaget_64, BogosyJay_73, Boohoo_80, BreSam8_72, Bxz2_67, CRB1_72, Calvinny_69, Caraxes_73, Catalina_75, Celestiallunch_67, Centaur_71, Changeling_69, Chargerpower_67, Charm_67, Che12_74, Chupacabra_62, ClownCar_69, CogOmlette_70, Colbster_68, Colin_69, Conquerage_71, Coog_62, Cookiedough_71, Croquant_69, Cuco_64, Cullens_72, DaHudson_71, Daishi_71, Dalmatian_71, Darrell_74, DARTHPhader_68, DeerParkTS_67, DekHockey33_81, Deloris_70, DelvinSonDorr_68, Dieselweasel_72, DontArgue_61, Dorothea_71, Drake55_72, Drake94_62, DudeLittle_69, DustyMartin_66, EagleEye_76, Eaglepride_66, Edison31_61, Eidsmoe_71, Elephantoon_73, EmyBug_70, EpicPhail_73, Epsocamisio_76, Equemioh13_70, ExplosioNervosa_71, Farber_72, FatCactus_57, Fayely_71, Fernando_72, First_0071, Flare16_71, Gail_72, Gemma_69, Ghoulboy_65, GingkoMaracino_72, Gladiator_69, Goose_65, Gratitude_68, Grif_70, Groupthink_72, Grub_70, Grum1_71, GtownJaz_72, Gwennie_67, HINdeR_66, Hanray_71, HarryHoudini_71, HashRod_73, HaveUMetTed_72, Heliosoles_69, Hercules11_72, HippoHollow_69, Horex_71, HortumSL17_74, IronMan_68, Isiphiwo_69, JHC117_68, JSwag_79, Jaan_69, Jeeves_74, JenCasNa_73, JeppNRM_72, JewelBug_71, Jiawan_70, Jobu08_68, Jordennis_70, Kalb97_72, Kalnoky_72, Kalpine_70, KatherineG_80, Keziacharles14_69, Kinmap_73, KittenMittens_61, Klodlith_68, Kristoff_63, LBerry_73, LadyBird_74, Landor_69, Larenn_68, LarryKay_72, LastResort_78, Leogania_70, Lilith_70, Lilleskat_70, LionsBait_71, LogiBear_71, Lokk_65, LoneWolf_73, Looper_79, Loser_72, Lowa_69, Luchador_73, Lucyedi_75, LugYA_75, MadMarie_70, Mainiac_71, Malec_69, Malinsilva_74, Maminiaina_73, Manu_71, MarQuardt_72, Marie_70, Marius_72, McFly_71, MegTheThird_67, Methuselah_65, Microwolf_68, MiculUcigas_71, Midas2_62, Miko_65, MinecraftSteve_80, Minispark_70, MoneyMay_71, Montavir_67, MuchMore_75, MyraDee_69, Myxus_73, NaSiaTalie_71, NearlyHeadless_81, Nebulosus_77, Nedarya_76, Neeharika16_70, Newrala_71, NicoleTera_68, NothingSpecial_67, OKCentral2016_63, Odin_71, OlanP_70, Ollie_72, Oofda_80, P28Green_72, PGHhamlin_74, PackMan_72, PainterBoy_74, Pawn_70, PeaceMeal1_62, Pembroke_72, Penny1_72, Phaded_66, Phaeder_73, Pharaoh_67, Phillis_77, PhishRPhriends_68, Phlei_58, Phoebe_73, Phonnegut_73, Phoxy_72, Phranny_72, Pioneer_73, Piro94_70, Pmask_70, Polyphemus_73, Poompha_61, PotatoSplit_73, Priamo_73, Priya_71, Prudy_64, Pukovnik_67, PurpleHaze_71, Qobbit_71, Rachaly_67, Rahalelujah_72, Ravana_82, ReMo_78, Reba_71, Rebeuca_65, RedRock_70, Refuge_68, Remus_81, RhynO_64, Rosalind_78, Rowdy_66, Rummer_71, RyeScarlet_74, Sabia_70, Sabinator_70, Sachima_69, Scherzo_72, Severus_62, Shapes_66, ShayRa_80, SheaKeira_67, Sknot_71, Snickers_72,

SoYo_69, SoilDragon_71, SororFago_72, Soshari_74, Soups_80, Spike509_72, Spouty_71, Stagni_69, Steamy_66, StepMih_71, Strosahl_81, Sunhee_72, SuperAwesome_71, SuperCallie99_68, Superchunk_72, SwirlSquare_76, Switzerland_79, SydNat_65, TarsusIV_68, Taurus_73, Terrific_71, Theia_64, Tiffany_71, Toaka_73, Topanga_61, Trike_61, Tristan_67, Trixie_69, Trooper_70, Tubs_73, Twister_63, Ugenie5_68, Updawg_71, VA6_70, Vanisoa_70, Vix_68, Waits_80, WalterMcMickey_63, Warrior24_81, Watson_71, WeiHuaDA_71, WideWale_71, Wooldri_74, WorldCup_70, XianYue_66, Yecey3_74, Zetzy_69, Zimmer_68, Zolita_64,

Summary by start number:

Start 22:

- Found in 1 of 539 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 476
- Called 100.0% of time when present
- Phage (with cluster) where this start called: HINdeR_66 (A7),

Start 29:

- Found in 3 of 539 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 476
- Called 33.3% of time when present
- Phage (with cluster) where this start called: PainterBoy_74 (A16),

Start 31:

- Found in 5 of 539 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 476
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Steamy_66 (A12),

Start 33:

- Found in 99 of 539 (18.4%) of genes in pham
- Manual Annotations of this start: 84 of 476
- Called 88.9% of time when present
- Phage (with cluster) where this start called: ACFishhook_69 (A3), Aglet_73 (A3), AgronaGT15_69 (A3), Anubis_75 (A3), AugsMagnumOpus_75 (A3), Beauxregard13_71 (A3), BreSam8_72 (A3), BuzzBuzz_66 (A3), Chupacabra_62 (A10), Colbster_68 (A3), Cullens_72 (A3), DaHudson_71 (A3), DarthPhader_68 (A12), DontArgue_61 (A10), Drake94_62 (A10), DustyMartin_66 (A10), Eaglepride_66 (A10), Edison31_61 (A10), EpicPhail_73 (A3), Farber_72 (A3), Fernando_72 (A3), Gemma_69 (A3), Goose_65 (A10), Groupthink_72 (A3), Grub_70 (A3), Grum1_71 (A3), HaveUMetTed_72 (A3), Heliosoles_69 (A3), Hercules11_72 (A3), JenCasNa_73 (A3), JeppNRM_72 (A3), Jobu08_68 (A3), KADY_69 (A3), Kalb97_72 (A3), Kalnoky_72 (A3), KittenMittens_61 (A10), Kristoff_63 (A10), LBerry_73 (A3), Lilith_70 (A3), Louie6_71 (A3), LugYA_75 (A3), Malinsilva_74 (A3), Manu_71 (A3), MarQuardt_72 (A3), Marie_70 (A3), Marius_72 (A3), Methuselah_65 (A3), Microwolf_68 (A3), Misomonster_73 (A3), MoneyMay_71 (A3), MuchMore_75 (A3), OKCentral2016_63 (A10), OlanP_70 (A3), Ollie_72 (A3), P28Green_72 (A3), PGHhamlin_74 (A3), PeaceMeal1_62 (A10), Pembroke_72 (A3), Penny1_72 (A3), PhishRPhriends_68 (A3), Phoxy_72 (A3), Poompha_61 (A10), PotatoSplit_73 (A3), PurpleHaze_71 (A3), Rebeuca_65 (A10), Refuge_68 (A12), RhynO_64 (A10), Rowdy_66 (A10), Rummer_71 (A3), Sabinator_70 (A3), Severus_62 (A10), Shapes_66 (A10), SoYo_69 (A3), SoilDragon_71 (A3), Soshari_74 (A3),

Spike509_72 (A3), StepMih_71 (A3), Taurus_73 (A3), TinyPebbles_71 (A3), Topanga_61 (A10), Trike_61 (A10), Twister_63 (A10), Vix_68 (A3), WalterMcMickey_63 (A10), Watson_71 (A3), Wooldri_74 (A3), Zetzy_69 (A3), Zimmer_68 (A12),

Start 35:

- Found in 9 of 539 (1.7%) of genes in pham
- Manual Annotations of this start: 5 of 476
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Bellris_70 (A9), BogosyJay_73 (A9), CogOmlette_70 (A9), Darrell_74 (A9), LoneWolf_73 (A9), Maminiaina_73 (A9), Minispark_70 (A9), Rahalelujah_72 (A9), WorldCup_70 (A9),

Start 37:

- Found in 3 of 539 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 476
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Celestiallunch_67 (A9), Elephantoon_73 (A9), MegTheThird_67 (A9),

Start 40:

- Found in 249 of 539 (46.2%) of genes in pham
- Manual Annotations of this start: 223 of 476
- Called 97.2% of time when present
- Phage (with cluster) where this start called: A6_58 (A1), AFIS_62 (A1), Abbyshoes_68 (A1), Acme_67 (A1), Adahisdi_65 (A1), Aeneas_69 (A1), Agaliana_61 (A1), Ajay_65 (A1), Aldrich_61 (A1), Alsfro_72 (A1), Altman_68 (A1), Alvin_65 (A1), Anglerfish_66 (A1), Applejack_66 (A1), Arcanine_68 (A1), Arlo_64 (A1), Ashballer_69 (A1), Atkinbua_69 (A1), BK1_58 (A1), BPBiebs31_69 (A1), BaconJack_71 (A1), Barriga_68 (A1), BarrowTuph_67 (A1), Beatrix_65 (A1), BeesKnees_68 (A1), Bethlehem_67 (A1), Bexan_63 (A1), Big3_66 (A1), BigMau_68 (A1), BigPaolini_62 (A1), Bigchungi_64 (A1), Bigfoot_59 (A1), BillKnuckles_63 (A1), Bircsak_66 (A1), Blackflame_61 (A1), Blesser_62 (A1), BluSpix_64 (A1), Blue_66 (A1), Bob3_67 (A1), Bones_64 (A1), Briton15_70 (A1), Bruns_68 (A1), Burton_67 (A1), Buttons_62 (A1), Bxb1_59 (A1), CactusRose_67 (A1), Carlyle_67 (A1), CartmannCramer_65 (A1), CatBus_61 (A1), Chanagan_59 (A1), ChristmasHams_60 (A1), Ciao_63 (A1), ConceptII_70 (A1), Corvo_66 (A1), Crispicous1_63 (A1), Cueylyss_65 (A1), DD5_66 (A1), Dexes_66 (A1), DirtDevil_63 (A1), Doom_63 (A1), DrFeelGood_64 (A1), DreamCatcher_68 (A1), DreamTeam1_67 (A9), Dreamboat_68 (A1), Dulcie_66 (A1), Dussy_67 (A1), Dynamix_67 (A1), Edtherson_64 (A1), EnzoK_66 (A1), Espresso_63 (A1), Euphoria_65 (A1), Eyeball_67 (A1), Fajezeel_66 (A1), Fascinus_61 (A1), Fenn_72 (A1), Forsytheast_67 (A1), Francis47_65 (A1), Froghopper_63 (A1), Fushigi_61 (A1), GMonster_64 (A1), Gachnar_66 (A1), GageAP_67 (A1), Gandalf20_68 (A1), Gompeii16_66 (A1), Graduation_71 (A1), GrecoEtereo_65 (A1), Greg_66 (A1), GroundGoblin_62 (A1), Gwendoluna_70 (A1), Gyzlar_61 (A1), Hami1_61 (A1), HanShotFirst_67 (A1), HarryOW_63 (A1), Hermia_63 (A1), HermioneGrange_68 (A1), Homines_57 (A1), Hope4ever_67 (A1), ILeeKay_68 (A1), Ichabod_70 (A1), IgnatiusPatJac_66 (A1), Inyanga_61 (A1), Iqorha_61 (A1), JC27_70 (A1), JackSparrow_69 (A1), Jasper_67 (A1), Jerm2_67 (A1), Jorgensen_71 (A1), JuliaChild_67 (A1), KBG_67 (A1), KSSJEB_65 (A1), Kanely_67 (A1), Kenmech_70 (A1), KikiBouba_64 (A1), Killigrew_64 (A1), Kugel_70 (A1), KyMonks1A_70 (A1), Kykar_67 (A1), Lamina13_69 (A1), Lesedi_62 (A1), Levia_63 (A1), Licorice_66 (A1), LilBib_65 (A1), Lockley_65 (A1), Lopton_66 (A1), LunarLander_65 (A1),

MPlant7149_66 (A1), Magnar_65 (A1), Magnito_67 (A1), Makemake_72 (A1), Manatee_66 (A1), Marcell_62 (A1), Marchy_59 (A1), Marco3_72 (A1), Marge_62 (A1), Maroc7_65 (A1), Marsha_66 (A1), MaryBeth_63 (A1), McGuire_66 (A1), McSinger_63 (A1), MetalQZJ_62 (A1), Michley_70 (A1), MilleFeuille_68 (A1), Mkhuseleli_61 (A1), Molly_67 (A1), Monet_68 (A1), Moose_67 (A1), MrGordo_69 (A1), Mryolo_64 (A1), Mule_63 (A1), Museum_68 (A1), NEHalo_63 (A1), Naira_71 (A1), Nerujay_71 (A1), Nhonho_65 (A1), Niza_68 (A1), Norz_65 (A1), Noxious_64 (A1), Ohno789_67 (A1), Oogway_64 (A1), PSullivan_64 (A1), PacerPaul_66 (A1), Papez_68 (A1), Paphu_65 (A1), Paraselene_67 (A1), Pari_70 (A1), Parliament_67 (A1), PascalRango_63 (A1), PattyP_68 (A1), Payneful_63 (A1), Pelly_68 (A1), Pepe_64 (A1), Perseus_64 (A1), Peterson_69 (A1), Petp2012_69 (A1), Petruchio_68 (A1), PherrisBueller_67 (A1), PhineBark_65 (A1), Phlippers_61 (A1), PhrostyMug_66 (A1), PinkPlastic_65 (A1), Pinto_66 (A1), Pippin_65 (A1), Pita2_67 (A1), PowerRanger_65 (A1), ProMouse_67 (A1), Puppet_63 (A1), QTRlifeCrisis_67 (A1), Raid_65 (A1), Rajelicia_66 (A1), Rhynn_62 (A1), RidgeCB_66 (A1), Ringer_69 (A1), Rohr_67 (A1), Rubeus_65 (A1), Rufus_68 (A1), Ruotula_72 (A1), Rutherford_67 (A1), STLscum_75 (A1), Sagefire_67 (A1), Sandaddy_63 (A1), SarFire_65 (A1), Scowl_67 (A1), ShortQueendom_59 (A1), Sibs6_68 (A1), SkiPole_74 (A1), Slagathor_68 (A1), Smairt_68 (A1), Smeagol_68 (A1), Snazzy_63 (A1), Solon_64 (A1), Sorpresa_64 (A1), SpikeBT_64 (A1), Squee_69 (A1), StewieG_60 (A1), StrongArm_64 (A1), Sumter_62 (A1), Sunshine924_71 (A1), SwissCheese_69 (A1), Switzer_67 (A1), Swole_67 (A1), Target_69 (A1), Tasp14_69 (A1), Teodoridan_65 (A1), TheloniousMonk_70 (A1), Thor_65 (A1), Topgun_63 (A1), Tote_62 (A1), Traft412_69 (A1), Treddle_66 (A1), Tripl3t_70 (A1), Trouble_66 (A1), Turj99_64 (A1), TwoPeat_67 (A1), U2_62 (A1), Violet_63 (A1), Watermelon_65 (A1), Wheeler_68 (A1), Whitspit_61 (A1), Wilkins_64 (A1), Zeeculate_65 (A1), Zephyr_67 (A1), Zeuska_71 (A1),

Start 42:

- Found in 121 of 539 (22.4%) of genes in pham
- Manual Annotations of this start: 15 of 476
- Called 13.2% of time when present
- Phage (with cluster) where this start called: Anselm_72 (A2), Arissanae_70 (A9), Daishi_71 (A3), Dalmatian_71 (A2), Dieselweasel_72 (A3), DudeLittle_69 (A2), GingkoMaracino_72 (A3), Gwennie_67 (A3), JHC117_68 (A3), MadMarie_70 (A3), Mainiac_71 (A3), MyraDee_69 (A18), NicoleTera_68 (A2), NothingSpecial_67 (A2), Sabia_70 (A3), Tiffany_71 (A3),

Start 43:

- Found in 3 of 539 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 476
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Charm_67 (A9), Klodlith_68 (A9),

Start 44:

- Found in 28 of 539 (5.2%) of genes in pham
- Manual Annotations of this start: 21 of 476
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aliter_74 (A9), Alma_71 (A9), Ayanochan_71 (A9), Beemo_73 (A9), Catalina_75 (A9), Conquerage_71 (A9), Eidsmoe_71 (A9), EmyBug_70 (A9), ExplosioNervosa_71 (A9), Fayely_71 (A9), Hanray_71 (A9), Horex_71 (A9), HortumSL17_74 (A9), Jiawan_70 (A9), Lilleskat_70 (A9), Myxus_73 (A9), PackMan_72 (A9), Phaeder_73 (A9), Phonnegut_73 (A9),

Pioneer_73 (A9), Priya_71 (A9), Qobbit_71 (A9), RyeScarlet_74 (A9), Sachima_69 (A9), Scherzo_72 (A9), Spouty_71 (A9), Tubs_73 (A9), Ugenie5_68 (A9),

Start 45:

- Found in 1 of 539 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 476
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Toaka_73 (A9),

Start 46:

- Found in 1 of 539 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 476
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Keziacharles14_69 (A9),

Start 47:

- Found in 2 of 539 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 476
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Che12_74 (A2), SwirlSquare_76 (A2),

Start 48:

- Found in 1 of 539 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 476
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Vanisoa_70 (A9),

Start 49:

- Found in 37 of 539 (6.9%) of genes in pham
- Manual Annotations of this start: 32 of 476
- Called 91.9% of time when present
- Phage (with cluster) where this start called: Anaysia_80 (A15), Anon_77 (A15), Anthony_63 (A20), Battleship_82 (A15), Boohoo_80 (A15), Chargerpower_67 (A22), DekHockey33_81 (A15), EagleEye_76 (A16), Epsocamisio_76 (A15), FatCactus_57 (A20), JSwag_79 (A15), Jeeves_74 (A14), KatherineG_80 (A15), LastResort_78 (A15), LogiBear_71 (A15), Looper_79 (A15), Luchador_73 (A14), Lucyedi_75 (A16), MinecraftSteve_80 (A15), Nebulosus_77 (A15), Nedarya_76 (A15), Oofda_80 (A15), Ravana_82 (A15), ReMo_78 (A15), Remus_81 (A15), Rosalind_78 (A15), ShayRa_80 (A15), SororFago_72 (A14), Soups_80 (A15), Strosahl_81 (A15), Sunhee_72 (A14), Switzerland_79 (A15), Waits_80 (A15), Warrior24_81 (A15),

Start 50:

- Found in 2 of 539 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 476
- Called 100.0% of time when present
- Phage (with cluster) where this start called: SheaKeira_67 (A9), Yecey3_74 (A9),

Start 51:

- Found in 2 of 539 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 476
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Gail_72 (A14),

Start 52:

- Found in 114 of 539 (21.2%) of genes in pham
- No Manual Annotations of this start.
- Called 0.9% of time when present
- Phage (with cluster) where this start called: Phlei_58 (A13),

Start 53:

- Found in 1 of 539 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DelvinSonDorr_68 (A6),

Start 54:

- Found in 1 of 539 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kinmap_73 (A21),

Start 55:

- Found in 9 of 539 (1.7%) of genes in pham
- Manual Annotations of this start: 2 of 476
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Pharaoh_67 (A12), XianYue_66 (A2),

Start 56:

- Found in 26 of 539 (4.8%) of genes in pham
- Manual Annotations of this start: 23 of 476
- Called 92.3% of time when present
- Phage (with cluster) where this start called: BABullseye_64 (A6), Blinn1_75 (A6), Colin_69 (A2), Cookiedough_71 (A6), Dorothea_71 (A6), Gladiator_69 (A6), IronMan_68 (A2), Isiphiwo_69 (A6), Jaan_69 (A2), JewelBug_71 (A6), Jordennis_70 (A6), Landor_69 (A2), McFly_71 (A6), Neeharika16_70 (A6), Newrala_71 (A6), Phaded_66 (A2), Pmask_70 (A6), Polyphemus_73 (A6), Priamo_73 (A6), Pukovnik_67 (A2), SuperAwesome_71 (A6), SuperCallie99_68 (A6), Tristan_67 (A2), Trixie_69 (A2),

Start 58:

- Found in 12 of 539 (2.2%) of genes in pham
- Manual Annotations of this start: 9 of 476
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Archetta_63 (A5), Bluefalcon_61 (A5), Coog_62 (A5), Ghouboy_65 (A5), Midas2_62 (A5), NearlyHeadless_81 (A8), Phillis_77 (A8), SydNat_65 (A5), Zolita_64 (A5),

Start 59:

- Found in 90 of 539 (16.7%) of genes in pham
- Manual Annotations of this start: 11 of 476
- Called 18.9% of time when present
- Phage (with cluster) where this start called: Bigflo_69 (A3), Bxz2_67 (A3), Calvinny_69 (A3), ClownCar_69 (A3), Croquant_69 (A3), Grif_70 (A3), GtownJaz_72 (A3), HashRod_73 (A3), LarryKay_72 (A3), Lowa_69 (A3), Montavir_67 (A3), Pawn_70 (A3), Phoebe_73 (A3), Phranny_72 (A3), Reba_71 (A3), Snickers_72 (A3), Stagni_69 (A3),

Start 60:

- Found in 3 of 539 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 476
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Caraxes_73 (A2), Odin_71 (A2), Superchunk_72 (A2),

Start 61:

- Found in 49 of 539 (9.1%) of genes in pham
- Manual Annotations of this start: 32 of 476
- Called 87.8% of time when present
- Phage (with cluster) where this start called: 20ES_72 (A2), 40AC_70 (A17), AN3_72 (A2), Acolyte_62 (A2), AnnaL29_70 (A2), Baehexic_69 (A2), BengiVuitton_70 (A2), BiancaTri92_70 (A2), BobSwaget_64 (A2), CRB1_72 (A2), Centaur_71 (A2), DeerParkTS_67 (A2), Deloris_70 (A2), Drake55_72 (A2), Equemioh13_70 (A2), First_0071 (A2), Flare16_71 (A2), Gratitude_68 (A2), HarryHoudini_71 (A2), HippoHollow_69 (A2), Kalpine_70 (A2), LadyBird_74 (A2), Larenn_68 (A2), Leogania_70 (A2), LionsBait_71 (A2), Lokk_65 (A2), Loser_72 (A2), Malec_69 (A2), MiculUcigas_71 (A2), Miko_65 (A2), NaSiaTalie_71 (A2), Piro94_70 (A2), Prudy_64 (A2), Rachaly_67 (A2), RedRock_70 (A2), Sknot_71 (A2), TarsusIV_68 (A2), Terrific_71 (A2), Trooper_70 (A2), Updawg_71 (A2), VA6_70 (A2), WeiHuaDA_71 (A2), WideWale_71 (A2),

Start 63:

- Found in 1 of 539 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 476
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Changeling_69 (A2),

Start 64:

- Found in 232 of 539 (43.0%) of genes in pham
- Manual Annotations of this start: 1 of 476
- Called 0.9% of time when present
- Phage (with cluster) where this start called: Abrogate_660 (A1), Sanya_62 (A1),

Start 65:

- Found in 9 of 539 (1.7%) of genes in pham
- Manual Annotations of this start: 2 of 476
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Cuco_64 (A5), Theia_64 (A5),

Summary by clusters:

There are 19 clusters represented in this pham: A15, A14, A17, A16, A10, A13, A12, A18, A21, A1, A20, A3, A2, A5, A7, A6, A9, A8, A22,

Info for manual annotations of cluster A1:

- Start number 40 was manually annotated 222 times for cluster A1.
- Start number 64 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:

- Start number 33 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A12:

- Start number 31 was manually annotated 1 time for cluster A12.
- Start number 33 was manually annotated 3 times for cluster A12.
- Start number 55 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A14:

- Start number 49 was manually annotated 4 times for cluster A14.
- Start number 51 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A15:

- Start number 49 was manually annotated 24 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 29 was manually annotated 1 time for cluster A16.
- Start number 49 was manually annotated 2 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 42 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A2:

- Start number 42 was manually annotated 5 times for cluster A2.
- Start number 47 was manually annotated 2 times for cluster A2.
- Start number 55 was manually annotated 1 time for cluster A2.
- Start number 56 was manually annotated 7 times for cluster A2.
- Start number 60 was manually annotated 2 times for cluster A2.
- Start number 61 was manually annotated 32 times for cluster A2.
- Start number 63 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A20:

- Start number 49 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 49 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 33 was manually annotated 64 times for cluster A3.
- Start number 42 was manually annotated 8 times for cluster A3.
- Start number 59 was manually annotated 11 times for cluster A3.

Info for manual annotations of cluster A5:

- Start number 58 was manually annotated 7 times for cluster A5.
- Start number 65 was manually annotated 2 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 56 was manually annotated 16 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 22 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:

- Start number 58 was manually annotated 2 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 35 was manually annotated 5 times for cluster A9.
- Start number 37 was manually annotated 1 time for cluster A9.
- Start number 40 was manually annotated 1 time for cluster A9.
- Start number 42 was manually annotated 1 time for cluster A9.
- Start number 43 was manually annotated 1 time for cluster A9.
- Start number 44 was manually annotated 21 times for cluster A9.
- Start number 45 was manually annotated 1 time for cluster A9.
- Start number 46 was manually annotated 1 time for cluster A9.
- Start number 48 was manually annotated 1 time for cluster A9.
- Start number 50 was manually annotated 2 times for cluster A9.

Gene Information:

Gene: 20ES_72 Start: 43073, Stop: 42834, Start Num: 61

Candidate Starts for 20ES_72:

(Start: 42 @43112 has 15 MA's), (Start: 61 @43073 has 32 MA's), (77, 42998), (82, 42965), (91, 42932), (93, 42923), (95, 42911), (103, 42854),

Gene: 40AC_70 Start: 43765, Stop: 43523, Start Num: 61

Candidate Starts for 40AC_70:

(Start: 61 @43765 has 32 MA's), (75, 43696), (77, 43687), (82, 43654), (91, 43621), (93, 43612), (95, 43600),

Gene: A6_58 Start: 40313, Stop: 40020, Start Num: 40

Candidate Starts for A6_58:

(Start: 40 @40313 has 223 MA's), (Start: 64 @40268 has 1 MA's), (67, 40238), (75, 40190), (82, 40148),

Gene: ACFishhook_69 Start: 42330, Stop: 42022, Start Num: 33

Candidate Starts for ACFishhook_69:

(Start: 33 @42330 has 84 MA's), (Start: 42 @42312 has 15 MA's), (52, 42297), (Start: 59 @42276 has 11 MA's), (66, 42243), (75, 42192), (77, 42183), (80, 42156), (82, 42150), (84, 42141), (91, 42117),

Gene: AFIS_62 Start: 41768, Stop: 41475, Start Num: 40

Candidate Starts for AFIS_62:

(4, 42026), (6, 41990), (27, 41795), (Start: 40 @41768 has 223 MA's), (Start: 64 @41723 has 1 MA's), (67, 41693), (70, 41681), (75, 41645), (82, 41603),

Gene: AN3_72 Start: 41788, Stop: 41549, Start Num: 61

Candidate Starts for AN3_72:

(Start: 42 @41827 has 15 MA's), (Start: 61 @41788 has 32 MA's), (67, 41761), (77, 41713), (82, 41680), (91, 41647), (93, 41638), (95, 41626), (103, 41569),

Gene: Abbyshoes_68 Start: 43272, Stop: 42979, Start Num: 40

Candidate Starts for Abbyshoes_68:

(Start: 40 @43272 has 223 MA's), (Start: 64 @43227 has 1 MA's), (67, 43197), (75, 43149), (82, 43107),

Gene: Abrogate_660 Start: 44316, Stop: 44068, Start Num: 64

Candidate Starts for Abrogate_660:

(Start: 40 @44361 has 223 MA's), (Start: 64 @44316 has 1 MA's), (75, 44238), (82, 44196),

Gene: Acme_67 Start: 42824, Stop: 42531, Start Num: 40

Candidate Starts for Acme_67:

(27, 42851), (Start: 40 @42824 has 223 MA's), (Start: 64 @42779 has 1 MA's), (67, 42749), (75, 42701), (82, 42659),

Gene: Acolyte_62 Start: 41272, Stop: 41048, Start Num: 61

Candidate Starts for Acolyte_62:

(Start: 42 @41311 has 15 MA's), (Start: 61 @41272 has 32 MA's), (77, 41200), (82, 41167), (91, 41134), (93, 41125), (95, 41113),

Gene: Adahisdi_65 Start: 43768, Stop: 43475, Start Num: 40

Candidate Starts for Adahisdi_65:

(Start: 40 @43768 has 223 MA's), (Start: 64 @43723 has 1 MA's), (67, 43693), (75, 43645), (82, 43603),

Gene: Aeneas_69 Start: 44571, Stop: 44278, Start Num: 40

Candidate Starts for Aeneas_69:

(Start: 40 @44571 has 223 MA's), (Start: 64 @44526 has 1 MA's), (67, 44496), (75, 44448), (82, 44406),

Gene: Agaliana_61 Start: 39647, Stop: 39354, Start Num: 40

Candidate Starts for Agaliana_61:

(Start: 40 @39647 has 223 MA's), (Start: 64 @39602 has 1 MA's), (67, 39572), (75, 39524), (82, 39482),

Gene: Aglet_73 Start: 42442, Stop: 42134, Start Num: 33

Candidate Starts for Aglet_73:

(Start: 33 @42442 has 84 MA's), (Start: 42 @42424 has 15 MA's), (52, 42409), (Start: 59 @42388 has 11 MA's), (66, 42355), (75, 42304), (77, 42295), (80, 42268), (82, 42262), (91, 42229),

Gene: AgronaGT15_69 Start: 42290, Stop: 41982, Start Num: 33

Candidate Starts for AgronaGT15_69:

(Start: 33 @42290 has 84 MA's), (Start: 42 @42272 has 15 MA's), (52, 42257), (Start: 59 @42236 has 11 MA's), (66, 42203), (75, 42152), (77, 42143), (80, 42116), (82, 42110), (91, 42077),

Gene: Ajay_65 Start: 42714, Stop: 42421, Start Num: 40

Candidate Starts for Ajay_65:

(Start: 40 @42714 has 223 MA's), (Start: 64 @42669 has 1 MA's), (67, 42639), (75, 42591), (82, 42549),

Gene: Aldrich_61 Start: 42001, Stop: 41708, Start Num: 40

Candidate Starts for Aldrich_61:

(27, 42028), (Start: 40 @42001 has 223 MA's), (67, 41926), (75, 41878), (82, 41836),

Gene: Aliter_74 Start: 42621, Stop: 42343, Start Num: 44

Candidate Starts for Aliter_74:

(Start: 44 @42621 has 21 MA's), (76, 42513), (85, 42459), (87, 42450), (95, 42420),

Gene: Alma_71 Start: 42598, Stop: 42323, Start Num: 44

Candidate Starts for Alma_71:

(Start: 44 @42598 has 21 MA's), (76, 42490), (85, 42436), (87, 42427), (95, 42397),

Gene: Alsfro_72 Start: 43165, Stop: 42872, Start Num: 40

Candidate Starts for Alsfro_72:

(Start: 40 @43165 has 223 MA's), (Start: 64 @43120 has 1 MA's), (67, 43090), (75, 43042), (82, 43000),

Gene: Altman_68 Start: 42803, Stop: 42510, Start Num: 40

Candidate Starts for Altman_68:

(27, 42830), (Start: 40 @42803 has 223 MA's), (Start: 64 @42758 has 1 MA's), (67, 42728), (70, 42716), (75, 42680), (82, 42638),

Gene: Alvin_65 Start: 42599, Stop: 42303, Start Num: 40

Candidate Starts for Alvin_65:

(Start: 40 @42599 has 223 MA's), (75, 42473), (82, 42431),

Gene: Anaysia_80 Start: 43699, Stop: 43421, Start Num: 49

Candidate Starts for Anaysia_80:

(24, 43759), (Start: 49 @43699 has 32 MA's), (72, 43621), (77, 43582), (82, 43549), (90, 43519), (91, 43516), (95, 43495), (98, 43462),

Gene: Anglerfish_66 Start: 42975, Stop: 42682, Start Num: 40

Candidate Starts for Anglerfish_66:

(27, 43002), (Start: 40 @42975 has 223 MA's), (Start: 64 @42930 has 1 MA's), (67, 42900), (75, 42852), (82, 42810),

Gene: AnnaL29_70 Start: 43273, Stop: 43034, Start Num: 61

Candidate Starts for AnnaL29_70:

(Start: 42 @43312 has 15 MA's), (Start: 61 @43273 has 32 MA's), (75, 43207), (77, 43198), (82, 43165), (91, 43132), (93, 43123), (95, 43111),

Gene: Anon_77 Start: 43390, Stop: 43115, Start Num: 49

Candidate Starts for Anon_77:

(Start: 49 @43390 has 32 MA's), (69, 43324), (77, 43273), (78, 43258), (84, 43231), (90, 43210), (91, 43207), (99, 43147),

Gene: Anselm_72 Start: 43506, Stop: 43228, Start Num: 42

Candidate Starts for Anselm_72:

(Start: 42 @43506 has 15 MA's), (Start: 61 @43467 has 32 MA's), (76, 43398), (77, 43392), (82, 43359), (91, 43326), (93, 43317), (95, 43305), (103, 43248),

Gene: Anthony_63 Start: 40063, Stop: 39797, Start Num: 49

Candidate Starts for Anthony_63:

(Start: 49 @40063 has 32 MA's), (82, 39925), (84, 39916), (85, 39910), (97, 39859),

Gene: Anubis_75 Start: 42328, Stop: 42020, Start Num: 33

Candidate Starts for Anubis_75:

(Start: 33 @42328 has 84 MA's), (Start: 42 @42310 has 15 MA's), (52, 42295), (Start: 59 @42274 has 11 MA's), (66, 42241), (75, 42190), (77, 42181), (80, 42154), (82, 42148), (91, 42115),

Gene: Applejack_66 Start: 41373, Stop: 41080, Start Num: 40

Candidate Starts for Applejack_66:

(27, 41400), (Start: 40 @41373 has 223 MA's), (Start: 64 @41328 has 1 MA's), (67, 41298), (70, 41286), (75, 41250), (82, 41208),

Gene: Arcanine_68 Start: 43699, Stop: 43406, Start Num: 40

Candidate Starts for Arcanine_68:

(27, 43726), (Start: 40 @43699 has 223 MA's), (Start: 64 @43654 has 1 MA's), (67, 43624), (75, 43576), (82, 43534),

Gene: Archetta_63 Start: 41587, Stop: 41336, Start Num: 58

Candidate Starts for Archetta_63:

(Start: 58 @41587 has 9 MA's), (Start: 65 @41575 has 2 MA's), (75, 41503), (77, 41494), (78, 41479), (93, 41416), (98, 41371), (102, 41350), (104, 41344),

Gene: Arissanae_70 Start: 42870, Stop: 42583, Start Num: 42

Candidate Starts for Arissanae_70:

(Start: 42 @42870 has 15 MA's), (Start: 49 @42861 has 32 MA's), (82, 42723), (92, 42684), (95, 42669),

Gene: Arlo_64 Start: 42290, Stop: 41997, Start Num: 40

Candidate Starts for Arlo_64:

(27, 42317), (Start: 40 @42290 has 223 MA's), (Start: 64 @42245 has 1 MA's), (67, 42215), (75, 42167), (82, 42125),

Gene: Ashballer_69 Start: 43449, Stop: 43156, Start Num: 40

Candidate Starts for Ashballer_69:

(27, 43476), (Start: 40 @43449 has 223 MA's), (Start: 64 @43404 has 1 MA's), (67, 43374), (70, 43362), (75, 43326), (82, 43284),

Gene: Atkinbua_69 Start: 42674, Stop: 42381, Start Num: 40

Candidate Starts for Atkinbua_69:

(27, 42701), (Start: 40 @42674 has 223 MA's), (Start: 64 @42629 has 1 MA's), (67, 42599), (75, 42551), (82, 42509), (101, 42404),

Gene: AugsMagnumOpus_75 Start: 42433, Stop: 42125, Start Num: 33

Candidate Starts for AugsMagnumOpus_75:

(Start: 33 @42433 has 84 MA's), (Start: 42 @42415 has 15 MA's), (52, 42400), (Start: 59 @42379 has 11 MA's), (66, 42346), (75, 42295), (77, 42286), (80, 42259), (82, 42253), (91, 42220),

Gene: Ayanochan_71 Start: 42384, Stop: 42106, Start Num: 44

Candidate Starts for Ayanochan_71:

(Start: 44 @42384 has 21 MA's), (76, 42276), (85, 42222), (87, 42213), (95, 42183),

Gene: BABullseye_64 Start: 38991, Stop: 38743, Start Num: 56

Candidate Starts for BABullseye_64:

(10, 39231), (17, 39159), (25, 39078), (36, 39033), (Start: 56 @38991 has 23 MA's), (75, 38916), (82, 38874), (90, 38844), (93, 38832),

Gene: BK1_58 Start: 40313, Stop: 40020, Start Num: 40

Candidate Starts for BK1_58:

(Start: 40 @40313 has 223 MA's), (Start: 64 @40268 has 1 MA's), (67, 40238), (75, 40190), (82, 40148),

Gene: BPBiebs31_69 Start: 43396, Stop: 43103, Start Num: 40

Candidate Starts for BPBiebs31_69:

(27, 43423), (Start: 40 @43396 has 223 MA's), (Start: 64 @43351 has 1 MA's), (67, 43321), (70, 43309), (75, 43273), (82, 43231),

Gene: BaconJack_71 Start: 45661, Stop: 45368, Start Num: 40

Candidate Starts for BaconJack_71:

(27, 45688), (Start: 40 @45661 has 223 MA's), (Start: 64 @45616 has 1 MA's), (67, 45586), (75, 45538), (82, 45496),

Gene: Baehexic_69 Start: 42795, Stop: 42556, Start Num: 61

Candidate Starts for Baehexic_69:

(Start: 61 @42795 has 32 MA's), (67, 42768), (68, 42765), (77, 42720), (82, 42687), (91, 42654), (93, 42645), (95, 42633),

Gene: Barriga_68 Start: 41452, Stop: 41159, Start Num: 40

Candidate Starts for Barriga_68:

(27, 41479), (Start: 40 @41452 has 223 MA's), (Start: 64 @41407 has 1 MA's), (67, 41377), (70, 41365), (75, 41329), (82, 41287),

Gene: BarrowTuph_67 Start: 42484, Stop: 42191, Start Num: 40

Candidate Starts for BarrowTuph_67:

(Start: 40 @42484 has 223 MA's), (Start: 64 @42439 has 1 MA's), (67, 42409), (75, 42361), (82, 42319),

Gene: Battleship_82 Start: 43572, Stop: 43294, Start Num: 49

Candidate Starts for Battleship_82:

(24, 43632), (Start: 49 @43572 has 32 MA's), (72, 43494), (77, 43455), (82, 43422), (90, 43392), (91, 43389), (95, 43368), (98, 43335),

Gene: Beatrix_65 Start: 43536, Stop: 43243, Start Num: 40

Candidate Starts for Beatrix_65:

(34, 43563), (Start: 40 @43536 has 223 MA's), (Start: 64 @43491 has 1 MA's), (67, 43461), (75, 43413), (82, 43371),

Gene: Beauxregard13_71 Start: 42445, Stop: 42137, Start Num: 33

Candidate Starts for Beauxregard13_71:

(Start: 33 @42445 has 84 MA's), (Start: 42 @42427 has 15 MA's), (52, 42412), (Start: 59 @42391 has 11 MA's), (66, 42358), (75, 42307), (77, 42298), (80, 42271), (82, 42265), (91, 42232),

Gene: Beemo_73 Start: 42639, Stop: 42361, Start Num: 44

Candidate Starts for Beemo_73:

(Start: 44 @42639 has 21 MA's), (76, 42531), (85, 42477), (87, 42468), (95, 42438),

Gene: BeesKnees_68 Start: 42003, Stop: 41710, Start Num: 40

Candidate Starts for BeesKnees_68:

(27, 42030), (Start: 40 @42003 has 223 MA's), (Start: 64 @41958 has 1 MA's), (67, 41928), (75, 41880), (82, 41838),

Gene: Bellris_70 Start: 42330, Stop: 42028, Start Num: 35

Candidate Starts for Bellris_70:

(9, 42540), (Start: 35 @42330 has 5 MA's), (82, 42168), (95, 42114),

Gene: BengiVuitton_70 Start: 43050, Stop: 42811, Start Num: 61
Candidate Starts for BengiVuitton_70:
(Start: 42 @43089 has 15 MA's), (Start: 61 @43050 has 32 MA's), (67, 43023), (77, 42975), (82, 42942), (91, 42909), (93, 42900), (95, 42888), (103, 42831),

Gene: Bethlehem_67 Start: 44314, Stop: 44021, Start Num: 40
Candidate Starts for Bethlehem_67:
(34, 44341), (Start: 40 @44314 has 223 MA's), (Start: 64 @44269 has 1 MA's), (67, 44239), (75, 44191), (82, 44149),

Gene: Bexan_63 Start: 43315, Stop: 43022, Start Num: 40
Candidate Starts for Bexan_63:
(27, 43342), (Start: 40 @43315 has 223 MA's), (Start: 64 @43270 has 1 MA's), (67, 43240), (75, 43192), (82, 43150),

Gene: BiancaTri92_70 Start: 43252, Stop: 43013, Start Num: 61
Candidate Starts for BiancaTri92_70:
(Start: 42 @43291 has 15 MA's), (Start: 61 @43252 has 32 MA's), (77, 43177), (82, 43144), (91, 43111), (93, 43102), (95, 43090),

Gene: Big3_66 Start: 43783, Stop: 43490, Start Num: 40
Candidate Starts for Big3_66:
(Start: 40 @43783 has 223 MA's), (Start: 64 @43738 has 1 MA's), (67, 43708), (75, 43660), (82, 43618),

Gene: BigMau_68 Start: 43204, Stop: 42911, Start Num: 40
Candidate Starts for BigMau_68:
(5, 43432), (27, 43231), (Start: 40 @43204 has 223 MA's), (Start: 64 @43159 has 1 MA's), (67, 43129), (75, 43081), (82, 43039),

Gene: BigPaolini_62 Start: 40440, Stop: 40147, Start Num: 40
Candidate Starts for BigPaolini_62:
(Start: 40 @40440 has 223 MA's), (Start: 64 @40395 has 1 MA's), (67, 40365), (75, 40317), (82, 40275),

Gene: Bigchungi_64 Start: 42232, Stop: 41939, Start Num: 40
Candidate Starts for Bigchungi_64:
(27, 42259), (Start: 40 @42232 has 223 MA's), (Start: 64 @42187 has 1 MA's), (67, 42157), (75, 42109), (82, 42067),

Gene: Bigflo_69 Start: 42387, Stop: 42133, Start Num: 59
Candidate Starts for Bigflo_69:
(Start: 33 @42441 has 84 MA's), (Start: 42 @42423 has 15 MA's), (52, 42408), (Start: 59 @42387 has 11 MA's), (66, 42354), (75, 42303), (77, 42294), (80, 42267), (82, 42261), (91, 42228),

Gene: Bigfoot_59 Start: 41835, Stop: 41542, Start Num: 40
Candidate Starts for Bigfoot_59:
(27, 41862), (Start: 40 @41835 has 223 MA's), (Start: 64 @41790 has 1 MA's), (67, 41760), (70, 41748), (75, 41712), (82, 41670),

Gene: BillKnuckles_63 Start: 43835, Stop: 43542, Start Num: 40
Candidate Starts for BillKnuckles_63:

(Start: 40 @43835 has 223 MA's), (Start: 64 @43790 has 1 MA's), (67, 43760), (75, 43712), (82, 43670),

Gene: Bircsak_66 Start: 44564, Stop: 44271, Start Num: 40

Candidate Starts for Bircsak_66:

(Start: 40 @44564 has 223 MA's), (Start: 64 @44519 has 1 MA's), (67, 44489), (75, 44441), (82, 44399),

Gene: Blackflame_61 Start: 41979, Stop: 41686, Start Num: 40

Candidate Starts for Blackflame_61:

(Start: 40 @41979 has 223 MA's), (Start: 64 @41934 has 1 MA's), (67, 41904), (75, 41856), (82, 41814),

Gene: Blessner_62 Start: 41585, Stop: 41292, Start Num: 40

Candidate Starts for Blessner_62:

(Start: 40 @41585 has 223 MA's), (Start: 64 @41540 has 1 MA's), (67, 41510), (75, 41462), (82, 41420),

Gene: Blinn1_75 Start: 41595, Stop: 41347, Start Num: 56

Candidate Starts for Blinn1_75:

(36, 41637), (Start: 56 @41595 has 23 MA's), (82, 41478), (91, 41445), (93, 41436), (95, 41424), (106, 41352),

Gene: BluSpix_64 Start: 38419, Stop: 38126, Start Num: 40

Candidate Starts for BluSpix_64:

(27, 38446), (Start: 40 @38419 has 223 MA's), (Start: 64 @38374 has 1 MA's), (67, 38344), (75, 38296), (82, 38254),

Gene: Blue_66 Start: 43535, Stop: 43242, Start Num: 40

Candidate Starts for Blue_66:

(27, 43562), (Start: 40 @43535 has 223 MA's), (Start: 64 @43490 has 1 MA's), (67, 43460), (75, 43412), (82, 43370),

Gene: Bluefalcon_61 Start: 41607, Stop: 41356, Start Num: 58

Candidate Starts for Bluefalcon_61:

(Start: 58 @41607 has 9 MA's), (Start: 65 @41595 has 2 MA's), (75, 41523), (77, 41514), (78, 41499), (93, 41436), (98, 41391), (102, 41370), (104, 41364),

Gene: Bob3_67 Start: 42474, Stop: 42181, Start Num: 40

Candidate Starts for Bob3_67:

(27, 42501), (Start: 40 @42474 has 223 MA's), (Start: 64 @42429 has 1 MA's), (67, 42399), (75, 42351), (82, 42309),

Gene: BobSwaget_64 Start: 41129, Stop: 40887, Start Num: 61

Candidate Starts for BobSwaget_64:

(Start: 42 @41168 has 15 MA's), (Start: 61 @41129 has 32 MA's), (77, 41054), (82, 41021), (91, 40988), (93, 40979),

Gene: BogosyJay_73 Start: 42852, Stop: 42568, Start Num: 35

Candidate Starts for BogosyJay_73:

(Start: 35 @42852 has 5 MA's), (76, 42741), (82, 42702), (95, 42648),

Gene: Bones_64 Start: 43490, Stop: 43197, Start Num: 40

Candidate Starts for Bones_64:

(30, 43526), (Start: 40 @43490 has 223 MA's), (Start: 64 @43445 has 1 MA's), (67, 43415), (75, 43367), (82, 43325),

Gene: Boohoo_80 Start: 43699, Stop: 43421, Start Num: 49

Candidate Starts for Boohoo_80:

(24, 43759), (Start: 49 @43699 has 32 MA's), (72, 43621), (77, 43582), (82, 43549), (90, 43519), (91, 43516), (95, 43495), (98, 43462),

Gene: BreSam8_72 Start: 42435, Stop: 42127, Start Num: 33

Candidate Starts for BreSam8_72:

(Start: 33 @42435 has 84 MA's), (Start: 42 @42417 has 15 MA's), (52, 42402), (Start: 59 @42381 has 11 MA's), (66, 42348), (75, 42297), (77, 42288), (80, 42261), (82, 42255), (91, 42222),

Gene: Briton15_70 Start: 44278, Stop: 43985, Start Num: 40

Candidate Starts for Briton15_70:

(27, 44305), (Start: 40 @44278 has 223 MA's), (Start: 64 @44233 has 1 MA's), (67, 44203), (75, 44155), (82, 44113),

Gene: Bruns_68 Start: 42415, Stop: 42122, Start Num: 40

Candidate Starts for Bruns_68:

(27, 42442), (Start: 40 @42415 has 223 MA's), (Start: 64 @42370 has 1 MA's), (67, 42340), (70, 42328), (75, 42292), (82, 42250),

Gene: Burton_67 Start: 44237, Stop: 43944, Start Num: 40

Candidate Starts for Burton_67:

(27, 44264), (Start: 40 @44237 has 223 MA's), (Start: 64 @44192 has 1 MA's), (67, 44162), (75, 44114), (82, 44072),

Gene: Buttons_62 Start: 39954, Stop: 39661, Start Num: 40

Candidate Starts for Buttons_62:

(27, 39981), (Start: 40 @39954 has 223 MA's), (Start: 64 @39909 has 1 MA's), (67, 39879), (75, 39831), (82, 39789),

Gene: BuzzBuzz_66 Start: 42469, Stop: 42161, Start Num: 33

Candidate Starts for BuzzBuzz_66:

(7, 42676), (Start: 33 @42469 has 84 MA's), (Start: 40 @42457 has 223 MA's), (Start: 42 @42451 has 15 MA's), (52, 42436), (Start: 59 @42415 has 11 MA's), (66, 42382), (75, 42331), (77, 42322), (80, 42295), (82, 42289), (91, 42256),

Gene: Bxb1_59 Start: 41067, Stop: 40774, Start Num: 40

Candidate Starts for Bxb1_59:

(27, 41094), (Start: 40 @41067 has 223 MA's), (Start: 64 @41022 has 1 MA's), (67, 40992), (70, 40980), (75, 40944), (82, 40902),

Gene: Bxz2_67 Start: 42422, Stop: 42168, Start Num: 59

Candidate Starts for Bxz2_67:

(Start: 33 @42476 has 84 MA's), (Start: 42 @42458 has 15 MA's), (52, 42443), (Start: 59 @42422 has 11 MA's), (66, 42389), (75, 42338), (77, 42329), (80, 42302), (82, 42296), (91, 42263),

Gene: CRB1_72 Start: 43596, Stop: 43357, Start Num: 61

Candidate Starts for CRB1_72:

(Start: 42 @43635 has 15 MA's), (Start: 61 @43596 has 32 MA's), (77, 43521), (82, 43488), (91, 43455), (93, 43446), (95, 43434), (103, 43377),

Gene: CactusRose_67 Start: 42855, Stop: 42562, Start Num: 40

Candidate Starts for CactusRose_67:

(27, 42882), (Start: 40 @42855 has 223 MA's), (Start: 64 @42810 has 1 MA's), (67, 42780), (75, 42732), (82, 42690),

Gene: Calvinny_69 Start: 42204, Stop: 41950, Start Num: 59

Candidate Starts for Calvinny_69:

(Start: 33 @42258 has 84 MA's), (Start: 42 @42240 has 15 MA's), (52, 42225), (Start: 59 @42204 has 11 MA's), (66, 42171), (75, 42120), (77, 42111), (80, 42084), (82, 42078), (91, 42045),

Gene: Caraxes_73 Start: 41714, Stop: 41472, Start Num: 60

Candidate Starts for Caraxes_73:

(Start: 60 @41714 has 2 MA's), (78, 41615), (81, 41600), (82, 41597), (83, 41591), (84, 41588), (91, 41564), (95, 41543),

Gene: Carlyle_67 Start: 41641, Stop: 41348, Start Num: 40

Candidate Starts for Carlyle_67:

(Start: 40 @41641 has 223 MA's), (Start: 64 @41596 has 1 MA's), (67, 41566), (75, 41518), (82, 41476),

Gene: CartmannCramer_65 Start: 44511, Stop: 44218, Start Num: 40

Candidate Starts for CartmannCramer_65:

(27, 44538), (Start: 40 @44511 has 223 MA's), (Start: 64 @44466 has 1 MA's), (67, 44436), (75, 44388), (82, 44346),

Gene: CatBus_61 Start: 42193, Stop: 41900, Start Num: 40

Candidate Starts for CatBus_61:

(27, 42220), (Start: 40 @42193 has 223 MA's), (67, 42118), (75, 42070), (82, 42028),

Gene: Catalina_75 Start: 42695, Stop: 42417, Start Num: 44

Candidate Starts for Catalina_75:

(Start: 44 @42695 has 21 MA's), (76, 42587), (85, 42533), (87, 42524), (95, 42494),

Gene: Celestiallunch_67 Start: 41585, Stop: 41286, Start Num: 37

Candidate Starts for Celestiallunch_67:

(1, 42011), (Start: 37 @41585 has 1 MA's), (76, 41468), (82, 41429), (95, 41375),

Gene: Centaur_71 Start: 43010, Stop: 42771, Start Num: 61

Candidate Starts for Centaur_71:

(Start: 61 @43010 has 32 MA's), (67, 42983), (68, 42980), (77, 42935), (82, 42902), (91, 42869), (93, 42860), (95, 42848),

Gene: Chanagan_59 Start: 40048, Stop: 39755, Start Num: 40

Candidate Starts for Chanagan_59:

(27, 40075), (Start: 40 @40048 has 223 MA's), (Start: 64 @40003 has 1 MA's), (67, 39973), (75, 39925), (82, 39883),

Gene: Changeling_69 Start: 43249, Stop: 43010, Start Num: 63

Candidate Starts for Changeling_69:

(Start: 42 @43291 has 15 MA's), (Start: 61 @43252 has 32 MA's), (Start: 63 @43249 has 1 MA's), (74, 43207), (75, 43183), (77, 43174), (82, 43141), (91, 43108), (93, 43099), (95, 43087),

Gene: Chargerpower_67 Start: 40705, Stop: 40445, Start Num: 49

Candidate Starts for Chargerpower_67:

(38, 40726), (Start: 49 @40705 has 32 MA's), (76, 40612), (85, 40558), (87, 40549), (95, 40519), (100, 40471), (101, 40468), (102, 40465),

Gene: Charm_67 Start: 41703, Stop: 41416, Start Num: 43

Candidate Starts for Charm_67:

(Start: 43 @41703 has 1 MA's), (76, 41598), (82, 41559), (95, 41505),

Gene: Che12_74 Start: 41861, Stop: 41586, Start Num: 47

Candidate Starts for Che12_74:

(2, 42212), (20, 41975), (Start: 47 @41861 has 2 MA's), (52, 41852), (67, 41792), (75, 41753), (82, 41711), (84, 41702), (91, 41678), (95, 41657),

Gene: ChristmasHams_60 Start: 40214, Stop: 39921, Start Num: 40

Candidate Starts for ChristmasHams_60:

(Start: 40 @40214 has 223 MA's), (Start: 64 @40169 has 1 MA's), (67, 40139), (75, 40091), (82, 40049),

Gene: Chupacabra_62 Start: 41312, Stop: 41004, Start Num: 33

Candidate Starts for Chupacabra_62:

(Start: 33 @41312 has 84 MA's), (52, 41270), (62, 41246), (84, 41123), (91, 41099), (102, 41024),

Gene: Ciao_63 Start: 41412, Stop: 41119, Start Num: 40

Candidate Starts for Ciao_63:

(27, 41439), (Start: 40 @41412 has 223 MA's), (Start: 64 @41367 has 1 MA's), (67, 41337), (75, 41289), (82, 41247),

Gene: ClownCar_69 Start: 42197, Stop: 41943, Start Num: 59

Candidate Starts for ClownCar_69:

(Start: 33 @42251 has 84 MA's), (Start: 42 @42233 has 15 MA's), (52, 42218), (Start: 59 @42197 has 11 MA's), (66, 42164), (75, 42113), (77, 42104), (80, 42077), (82, 42071), (84, 42062), (91, 42038),

Gene: CogOmlette_70 Start: 42327, Stop: 42025, Start Num: 35

Candidate Starts for CogOmlette_70:

(9, 42537), (Start: 35 @42327 has 5 MA's), (82, 42165), (95, 42111),

Gene: Colbster_68 Start: 42445, Stop: 42137, Start Num: 33

Candidate Starts for Colbster_68:

(Start: 33 @42445 has 84 MA's), (Start: 42 @42427 has 15 MA's), (52, 42412), (Start: 59 @42391 has 11 MA's), (66, 42358), (75, 42307), (77, 42298), (80, 42271), (82, 42265), (91, 42232),

Gene: Colin_69 Start: 43242, Stop: 42997, Start Num: 56

Candidate Starts for Colin_69:

(Start: 55 @43248 has 2 MA's), (Start: 56 @43242 has 23 MA's), (77, 43161), (82, 43128), (91, 43095), (93, 43086), (95, 43074), (101, 43023),

Gene: ConceptII_70 Start: 44031, Stop: 43738, Start Num: 40

Candidate Starts for ConceptII_70:

(27, 44058), (Start: 40 @44031 has 223 MA's), (Start: 64 @43986 has 1 MA's), (67, 43956), (75, 43908), (82, 43866),

Gene: Conquerage_71 Start: 42370, Stop: 42092, Start Num: 44

Candidate Starts for Conquerage_71:

(Start: 44 @42370 has 21 MA's), (76, 42262), (85, 42208), (87, 42199), (95, 42169),

Gene: Coog_62 Start: 41634, Stop: 41383, Start Num: 58

Candidate Starts for Coog_62:

(Start: 58 @41634 has 9 MA's), (Start: 65 @41622 has 2 MA's), (77, 41541), (78, 41526), (93, 41463), (98, 41418), (102, 41397), (104, 41391),

Gene: Cookiedough_71 Start: 41299, Stop: 41051, Start Num: 56

Candidate Starts for Cookiedough_71:

(10, 41539), (17, 41467), (25, 41386), (36, 41341), (Start: 56 @41299 has 23 MA's), (75, 41224), (82, 41182), (90, 41152), (93, 41140),

Gene: Corvo_66 Start: 43343, Stop: 43050, Start Num: 40

Candidate Starts for Corvo_66:

(27, 43370), (Start: 40 @43343 has 223 MA's), (Start: 64 @43298 has 1 MA's), (67, 43268), (75, 43220), (82, 43178),

Gene: Crispicous1_63 Start: 41754, Stop: 41461, Start Num: 40

Candidate Starts for Crispicous1_63:

(27, 41781), (Start: 40 @41754 has 223 MA's), (Start: 64 @41709 has 1 MA's), (67, 41679), (75, 41631), (82, 41589),

Gene: Croquant_69 Start: 42386, Stop: 42132, Start Num: 59

Candidate Starts for Croquant_69:

(Start: 42 @42422 has 15 MA's), (52, 42407), (Start: 59 @42386 has 11 MA's), (66, 42353), (75, 42302), (77, 42293), (80, 42266), (82, 42260), (91, 42227),

Gene: Cuco_64 Start: 41482, Stop: 41243, Start Num: 65

Candidate Starts for Cuco_64:

(Start: 58 @41494 has 9 MA's), (Start: 65 @41482 has 2 MA's), (77, 41401), (78, 41386), (93, 41323), (98, 41278), (102, 41257), (104, 41251),

Gene: Cueylyss_65 Start: 43690, Stop: 43397, Start Num: 40

Candidate Starts for Cueylyss_65:

(Start: 40 @43690 has 223 MA's), (Start: 64 @43645 has 1 MA's), (67, 43615), (70, 43603), (75, 43567), (82, 43525),

Gene: Cullens_72 Start: 42441, Stop: 42133, Start Num: 33

Candidate Starts for Cullens_72:

(Start: 33 @42441 has 84 MA's), (Start: 42 @42423 has 15 MA's), (52, 42408), (Start: 59 @42387 has 11 MA's), (66, 42354), (75, 42303), (77, 42294), (80, 42267), (82, 42261), (91, 42228),

Gene: DD5_66 Start: 43578, Stop: 43285, Start Num: 40

Candidate Starts for DD5_66:

(27, 43605), (Start: 40 @43578 has 223 MA's), (Start: 64 @43533 has 1 MA's), (67, 43503), (75, 43455), (82, 43413),

Gene: DaHudson_71 Start: 42434, Stop: 42126, Start Num: 33

Candidate Starts for DaHudson_71:

(Start: 33 @42434 has 84 MA's), (Start: 42 @42416 has 15 MA's), (52, 42401), (Start: 59 @42380 has 11 MA's), (66, 42347), (75, 42296), (77, 42287), (80, 42260), (82, 42254), (91, 42221),

Gene: Daishi_71 Start: 41292, Stop: 41002, Start Num: 42

Candidate Starts for Daishi_71:

(Start: 42 @41292 has 15 MA's), (52, 41277), (Start: 59 @41256 has 11 MA's), (66, 41223), (75, 41172), (77, 41163), (80, 41136), (82, 41130), (91, 41097),

Gene: Dalmatian_71 Start: 43225, Stop: 42947, Start Num: 42

Candidate Starts for Dalmatian_71:

(Start: 42 @43225 has 15 MA's), (Start: 61 @43186 has 32 MA's), (77, 43111), (82, 43078), (91, 43045), (93, 43036), (95, 43024), (103, 42967),

Gene: Darrell_74 Start: 43196, Stop: 42921, Start Num: 35

Candidate Starts for Darrell_74:

(13, 43346), (15, 43328), (Start: 35 @43196 has 5 MA's), (76, 43094), (82, 43055), (95, 43001),

Gene: DARTHPhader_68 Start: 43667, Stop: 43356, Start Num: 33

Candidate Starts for DARTHPhader_68:

(11, 43808), (Start: 31 @43670 has 1 MA's), (Start: 33 @43667 has 84 MA's), (Start: 55 @43619 has 2 MA's), (67, 43568), (75, 43529), (77, 43520), (82, 43487), (101, 43382),

Gene: DeerParkTS_67 Start: 42018, Stop: 41779, Start Num: 61

Candidate Starts for DeerParkTS_67:

(Start: 42 @42057 has 15 MA's), (Start: 61 @42018 has 32 MA's), (77, 41943), (82, 41910), (91, 41877), (95, 41856),

Gene: DekHockey33_81 Start: 43657, Stop: 43379, Start Num: 49

Candidate Starts for DekHockey33_81:

(24, 43717), (Start: 49 @43657 has 32 MA's), (72, 43579), (77, 43540), (82, 43507), (90, 43477), (91, 43474), (95, 43453), (98, 43420),

Gene: Deloris_70 Start: 42746, Stop: 42507, Start Num: 61

Candidate Starts for Deloris_70:

(Start: 42 @42785 has 15 MA's), (Start: 61 @42746 has 32 MA's), (67, 42719), (77, 42671), (82, 42638), (91, 42605), (93, 42596), (95, 42584), (103, 42527),

Gene: DelvinSonDorr_68 Start: 41542, Stop: 41282, Start Num: 53

Candidate Starts for DelvinSonDorr_68:

(53, 41542), (Start: 56 @41533 has 23 MA's), (75, 41455), (82, 41413), (90, 41383), (93, 41371),

Gene: Dexes_66 Start: 43299, Stop: 43006, Start Num: 40

Candidate Starts for Dexes_66:

(Start: 40 @43299 has 223 MA's), (Start: 64 @43254 has 1 MA's), (75, 43176), (82, 43134),

Gene: Dieselweasel_72 Start: 42426, Stop: 42136, Start Num: 42

Candidate Starts for Dieselweasel_72:

(Start: 42 @42426 has 15 MA's), (52, 42411), (Start: 59 @42390 has 11 MA's), (66, 42357), (75, 42306), (77, 42297), (80, 42270), (82, 42264), (91, 42231),

Gene: DirtDevil_63 Start: 42001, Stop: 41708, Start Num: 40

Candidate Starts for DirtDevil_63:

(27, 42028), (Start: 40 @42001 has 223 MA's), (67, 41926), (75, 41878), (82, 41836),

Gene: DontArgue_61 Start: 40445, Stop: 40131, Start Num: 33

Candidate Starts for DontArgue_61:

(Start: 33 @40445 has 84 MA's), (52, 40394), (62, 40370), (75, 40301), (85, 40244), (91, 40226), (93, 40217),

Gene: Doom_63 Start: 42899, Stop: 42606, Start Num: 40

Candidate Starts for Doom_63:

(Start: 40 @42899 has 223 MA's), (Start: 64 @42854 has 1 MA's), (67, 42824), (75, 42776), (82, 42734),

Gene: Dorothea_71 Start: 41297, Stop: 41049, Start Num: 56

Candidate Starts for Dorothea_71:

(10, 41537), (17, 41465), (25, 41384), (36, 41339), (Start: 56 @41297 has 23 MA's), (75, 41222), (82, 41180), (90, 41150), (93, 41138),

Gene: DrFeelGood_64 Start: 41833, Stop: 41540, Start Num: 40

Candidate Starts for DrFeelGood_64:

(27, 41860), (Start: 40 @41833 has 223 MA's), (Start: 64 @41788 has 1 MA's), (67, 41758), (75, 41710), (82, 41668),

Gene: Drake55_72 Start: 43111, Stop: 42872, Start Num: 61

Candidate Starts for Drake55_72:

(Start: 61 @43111 has 32 MA's), (67, 43084), (68, 43081), (77, 43036), (82, 43003), (91, 42970), (93, 42961), (95, 42949),

Gene: Drake94_62 Start: 40387, Stop: 40079, Start Num: 33

Candidate Starts for Drake94_62:

(Start: 33 @40387 has 84 MA's), (52, 40345), (62, 40321), (75, 40249), (84, 40198), (91, 40174), (102, 40099),

Gene: DreamCatcher_68 Start: 42983, Stop: 42690, Start Num: 40

Candidate Starts for DreamCatcher_68:

(27, 43010), (Start: 40 @42983 has 223 MA's), (Start: 64 @42938 has 1 MA's), (67, 42908), (75, 42860), (82, 42818),

Gene: DreamTeam1_67 Start: 41535, Stop: 41248, Start Num: 40

Candidate Starts for DreamTeam1_67:

(Start: 40 @41535 has 223 MA's), (75, 41421), (76, 41418), (85, 41364), (87, 41355), (95, 41325),

Gene: Dreamboat_68 Start: 42073, Stop: 41780, Start Num: 40

Candidate Starts for Dreamboat_68:

(27, 42100), (Start: 40 @42073 has 223 MA's), (Start: 64 @42028 has 1 MA's), (67, 41998), (75, 41950), (82, 41908),

Gene: DudeLittle_69 Start: 42991, Stop: 42713, Start Num: 42

Candidate Starts for DudeLittle_69:

(Start: 42 @42991 has 15 MA's), (Start: 61 @42952 has 32 MA's), (77, 42877), (82, 42844), (91, 42811), (93, 42802), (95, 42790), (103, 42733),

Gene: Dulcie_66 Start: 44308, Stop: 44015, Start Num: 40

Candidate Starts for Dulcie_66:

(Start: 40 @44308 has 223 MA's), (Start: 64 @44263 has 1 MA's), (67, 44233), (75, 44185), (82, 44143),

Gene: Dussy_67 Start: 43292, Stop: 42999, Start Num: 40

Candidate Starts for Dussy_67:

(Start: 40 @43292 has 223 MA's), (Start: 64 @43247 has 1 MA's), (67, 43217), (75, 43169), (82, 43127),

Gene: DustyMartin_66 Start: 41423, Stop: 41115, Start Num: 33

Candidate Starts for DustyMartin_66:

(Start: 33 @41423 has 84 MA's), (52, 41381), (62, 41357), (75, 41285), (85, 41228), (91, 41210), (102, 41135),

Gene: Dynamix_67 Start: 41907, Stop: 41614, Start Num: 40

Candidate Starts for Dynamix_67:

(27, 41934), (Start: 40 @41907 has 223 MA's), (Start: 64 @41862 has 1 MA's), (67, 41832), (75, 41784), (82, 41742),

Gene: EagleEye_76 Start: 43298, Stop: 43038, Start Num: 49

Candidate Starts for EagleEye_76:

(14, 43454), (23, 43364), (28, 43346), (Start: 29 @43340 has 1 MA's), (Start: 49 @43298 has 32 MA's), (81, 43160), (95, 43103),

Gene: Eaglepride_66 Start: 41419, Stop: 41111, Start Num: 33

Candidate Starts for Eaglepride_66:

(Start: 33 @41419 has 84 MA's), (39, 41401), (52, 41377), (62, 41353), (75, 41281), (85, 41224), (91, 41206), (93, 41197), (102, 41131),

Gene: Edison31_61 Start: 41187, Stop: 40879, Start Num: 33

Candidate Starts for Edison31_61:

(Start: 33 @41187 has 84 MA's), (52, 41145), (62, 41121), (84, 40998), (85, 40992), (91, 40974), (102, 40899),

Gene: Edtherson_64 Start: 42893, Stop: 42600, Start Num: 40

Candidate Starts for Edtherson_64:

(27, 42920), (Start: 40 @42893 has 223 MA's), (Start: 64 @42848 has 1 MA's), (67, 42818), (75, 42770), (82, 42728),

Gene: Eidsmoe_71 Start: 42362, Stop: 42084, Start Num: 44

Candidate Starts for Eidsmoe_71:

(Start: 44 @42362 has 21 MA's), (76, 42254), (85, 42200), (87, 42191), (95, 42161),

Gene: Elephantoon_73 Start: 42479, Stop: 42192, Start Num: 37

Candidate Starts for Elephantoon_73:

(Start: 37 @42479 has 1 MA's), (41, 42473), (67, 42413), (76, 42371), (82, 42332), (95, 42278),

Gene: EmyBug_70 Start: 42364, Stop: 42086, Start Num: 44

Candidate Starts for EmyBug_70:

(Start: 44 @42364 has 21 MA's), (76, 42256), (85, 42202), (87, 42193), (95, 42163),

Gene: EnzoK_66 Start: 40168, Stop: 39875, Start Num: 40

Candidate Starts for EnzoK_66:

(Start: 40 @40168 has 223 MA's), (Start: 64 @40123 has 1 MA's), (67, 40093), (75, 40045), (82, 40003),

Gene: EpicPhail_73 Start: 42445, Stop: 42137, Start Num: 33

Candidate Starts for EpicPhail_73:

(Start: 33 @42445 has 84 MA's), (Start: 42 @42427 has 15 MA's), (52, 42412), (Start: 59 @42391 has 11 MA's), (66, 42358), (75, 42307), (77, 42298), (80, 42271), (82, 42265), (91, 42232),

Gene: Epsocamisio_76 Start: 42795, Stop: 42517, Start Num: 49

Candidate Starts for Epsocamisio_76:

(Start: 49 @42795 has 32 MA's), (72, 42717), (77, 42678), (82, 42645), (90, 42615), (91, 42612), (95, 42591), (98, 42558),

Gene: Equemioh13_70 Start: 42915, Stop: 42676, Start Num: 61

Candidate Starts for Equemioh13_70:

(Start: 61 @42915 has 32 MA's), (67, 42888), (68, 42885), (77, 42840), (82, 42807), (91, 42774), (93, 42765), (95, 42753),

Gene: Espresso_63 Start: 42517, Stop: 42224, Start Num: 40

Candidate Starts for Espresso_63:

(Start: 40 @42517 has 223 MA's), (Start: 64 @42472 has 1 MA's), (67, 42442), (70, 42430), (75, 42394), (82, 42352),

Gene: Euphoria_65 Start: 42359, Stop: 42066, Start Num: 40

Candidate Starts for Euphoria_65:

(27, 42386), (Start: 40 @42359 has 223 MA's), (Start: 64 @42314 has 1 MA's), (67, 42284), (75, 42236), (82, 42194),

Gene: ExplosioNervosa_71 Start: 42430, Stop: 42152, Start Num: 44

Candidate Starts for ExplosioNervosa_71:

(Start: 44 @42430 has 21 MA's), (76, 42322), (85, 42268), (87, 42259), (95, 42229),

Gene: Eyeball_67 Start: 43398, Stop: 43105, Start Num: 40

Candidate Starts for Eyeball_67:

(30, 43434), (Start: 40 @43398 has 223 MA's), (Start: 64 @43353 has 1 MA's), (67, 43323), (75, 43275), (82, 43233),

Gene: Fajezeel_66 Start: 42114, Stop: 41821, Start Num: 40

Candidate Starts for Fajezeel_66:

(27, 42141), (Start: 40 @42114 has 223 MA's), (Start: 64 @42069 has 1 MA's), (67, 42039), (75, 41991), (82, 41949),

Gene: Farber_72 Start: 42431, Stop: 42123, Start Num: 33

Candidate Starts for Farber_72:

(Start: 33 @42431 has 84 MA's), (Start: 42 @42413 has 15 MA's), (52, 42398), (Start: 59 @42377 has 11 MA's), (66, 42344), (75, 42293), (77, 42284), (80, 42257), (82, 42251), (91, 42218),

Gene: Fascinus_61 Start: 42349, Stop: 42056, Start Num: 40

Candidate Starts for Fascinus_61:

(27, 42376), (Start: 40 @42349 has 223 MA's), (Start: 64 @42304 has 1 MA's), (67, 42274), (70, 42262), (75, 42226), (82, 42184),

Gene: FatCactus_57 Start: 38993, Stop: 38727, Start Num: 49

Candidate Starts for FatCactus_57:

(Start: 49 @38993 has 32 MA's), (71, 38930), (82, 38855), (84, 38846), (85, 38840), (93, 38813), (97, 38789),

Gene: Fayely_71 Start: 42331, Stop: 42053, Start Num: 44

Candidate Starts for Fayely_71:

(Start: 44 @42331 has 21 MA's), (76, 42223), (85, 42169), (87, 42160), (95, 42130),

Gene: Fenn_72 Start: 44750, Stop: 44457, Start Num: 40

Candidate Starts for Fenn_72:

(27, 44795), (34, 44777), (Start: 40 @44750 has 223 MA's), (Start: 64 @44705 has 1 MA's), (67, 44675), (75, 44627), (82, 44585),

Gene: Fernando_72 Start: 42441, Stop: 42133, Start Num: 33

Candidate Starts for Fernando_72:

(Start: 33 @42441 has 84 MA's), (Start: 42 @42423 has 15 MA's), (52, 42408), (Start: 59 @42387 has 11 MA's), (66, 42354), (75, 42303), (77, 42294), (80, 42267), (82, 42261), (91, 42228),

Gene: First_0071 Start: 42973, Stop: 42734, Start Num: 61

Candidate Starts for First_0071:

(Start: 42 @43012 has 15 MA's), (Start: 61 @42973 has 32 MA's), (77, 42898), (82, 42865), (91, 42832), (93, 42823), (95, 42811), (103, 42754),

Gene: Flare16_71 Start: 43054, Stop: 42815, Start Num: 61

Candidate Starts for Flare16_71:

(Start: 42 @43093 has 15 MA's), (Start: 61 @43054 has 32 MA's), (67, 43027), (68, 43024), (77, 42979), (82, 42946), (91, 42913), (93, 42904), (95, 42892), (103, 42835),

Gene: Forsytheast_67 Start: 42412, Stop: 42119, Start Num: 40

Candidate Starts for Forsytheast_67:

(27, 42439), (Start: 40 @42412 has 223 MA's), (Start: 64 @42367 has 1 MA's), (67, 42337), (75, 42289), (82, 42247),

Gene: Francis47_65 Start: 43491, Stop: 43198, Start Num: 40

Candidate Starts for Francis47_65:

(Start: 40 @43491 has 223 MA's), (Start: 64 @43446 has 1 MA's), (67, 43416), (75, 43368), (82, 43326),

Gene: Froghopper_63 Start: 41471, Stop: 41178, Start Num: 40

Candidate Starts for Froghopper_63:

(27, 41498), (Start: 40 @41471 has 223 MA's), (Start: 64 @41426 has 1 MA's), (67, 41396), (75, 41348), (82, 41306),

Gene: Fushigi_61 Start: 40434, Stop: 40141, Start Num: 40

Candidate Starts for Fushigi_61:

(27, 40461), (Start: 40 @40434 has 223 MA's), (Start: 64 @40389 has 1 MA's), (67, 40359), (75, 40311), (82, 40269),

Gene: GMonster_64 Start: 42254, Stop: 41961, Start Num: 40

Candidate Starts for GMonster_64:

(27, 42281), (Start: 40 @42254 has 223 MA's), (Start: 64 @42209 has 1 MA's), (67, 42179), (75, 42131),

Gene: Gachnar_66 Start: 42948, Stop: 42655, Start Num: 40

Candidate Starts for Gachnar_66:

(Start: 40 @42948 has 223 MA's), (Start: 64 @42903 has 1 MA's), (67, 42873), (75, 42825), (82, 42783),

Gene: GageAP_67 Start: 43435, Stop: 43142, Start Num: 40

Candidate Starts for GageAP_67:

(4, 43693), (6, 43657), (27, 43462), (Start: 40 @43435 has 223 MA's), (Start: 64 @43390 has 1 MA's), (67, 43360), (70, 43348), (75, 43312), (82, 43270),

Gene: Gail_72 Start: 43458, Stop: 43192, Start Num: 51

Candidate Starts for Gail_72:

(38, 43482), (Start: 49 @43461 has 32 MA's), (Start: 51 @43458 has 1 MA's), (76, 43362), (81, 43326), (82, 43323), (93, 43281), (95, 43269), (101, 43218),

Gene: Gandalf20_68 Start: 43802, Stop: 43509, Start Num: 40

Candidate Starts for Gandalf20_68:

(Start: 40 @43802 has 223 MA's), (Start: 64 @43757 has 1 MA's), (67, 43727), (70, 43715), (75, 43679), (82, 43637),

Gene: Gemma_69 Start: 42254, Stop: 41946, Start Num: 33

Candidate Starts for Gemma_69:

(Start: 33 @42254 has 84 MA's), (Start: 42 @42236 has 15 MA's), (52, 42221), (Start: 59 @42200 has 11 MA's), (66, 42167), (75, 42116), (77, 42107), (80, 42080), (82, 42074), (84, 42065), (91, 42041),

Gene: Ghoulboy_65 Start: 41861, Stop: 41610, Start Num: 58

Candidate Starts for Ghoulboy_65:

(Start: 58 @41861 has 9 MA's), (Start: 65 @41849 has 2 MA's), (75, 41777), (77, 41768), (78, 41753), (93, 41690), (98, 41645), (102, 41624), (104, 41618),

Gene: GingkoMaracino_72 Start: 42309, Stop: 42019, Start Num: 42

Candidate Starts for GingkoMaracino_72:

(Start: 33 @42327 has 84 MA's), (Start: 42 @42309 has 15 MA's), (52, 42294), (Start: 59 @42273 has 11 MA's), (66, 42240), (75, 42189), (77, 42180), (80, 42153), (82, 42147), (91, 42114),

Gene: Gladiator_69 Start: 40925, Stop: 40677, Start Num: 56

Candidate Starts for Gladiator_69:

(10, 41165), (17, 41093), (25, 41012), (36, 40967), (Start: 56 @40925 has 23 MA's), (75, 40850), (82, 40808), (90, 40778), (93, 40766),

Gene: Gompeii16_66 Start: 44565, Stop: 44272, Start Num: 40

Candidate Starts for Gompeii16_66:

(Start: 40 @44565 has 223 MA's), (Start: 64 @44520 has 1 MA's), (67, 44490), (75, 44442), (82, 44400),

Gene: Goose_65 Start: 41128, Stop: 40820, Start Num: 33

Candidate Starts for Goose_65:

(Start: 33 @41128 has 84 MA's), (52, 41086), (62, 41062), (84, 40939), (91, 40915), (102, 40840),

Gene: Graduation_71 Start: 44181, Stop: 43888, Start Num: 40

Candidate Starts for Graduation_71:

(27, 44208), (Start: 40 @44181 has 223 MA's), (Start: 64 @44136 has 1 MA's), (67, 44106), (70, 44094), (75, 44058), (82, 44016),

Gene: Gratitude_68 Start: 42915, Stop: 42676, Start Num: 61

Candidate Starts for Gratitude_68:

(Start: 61 @42915 has 32 MA's), (67, 42888), (68, 42885), (77, 42840), (82, 42807), (91, 42774), (93, 42765), (95, 42753),

Gene: GrecoEtereo_65 Start: 41688, Stop: 41395, Start Num: 40

Candidate Starts for GrecoEtereo_65:

(27, 41715), (Start: 40 @41688 has 223 MA's), (Start: 64 @41643 has 1 MA's), (67, 41613), (75, 41565), (82, 41523),

Gene: Greg_66 Start: 42114, Stop: 41821, Start Num: 40

Candidate Starts for Greg_66:

(27, 42141), (Start: 40 @42114 has 223 MA's), (Start: 64 @42069 has 1 MA's), (67, 42039), (75, 41991), (82, 41949),

Gene: Grif_70 Start: 42462, Stop: 42208, Start Num: 59

Candidate Starts for Grif_70:

(Start: 42 @42498 has 15 MA's), (52, 42483), (Start: 59 @42462 has 11 MA's), (66, 42429), (75, 42378), (77, 42369), (80, 42342), (82, 42336), (91, 42303),

Gene: GroundGoblin_62 Start: 42143, Stop: 41850, Start Num: 40

Candidate Starts for GroundGoblin_62:

(27, 42170), (Start: 40 @42143 has 223 MA's), (67, 42068), (75, 42020), (82, 41978),

Gene: Groupthink_72 Start: 42258, Stop: 41950, Start Num: 33

Candidate Starts for Groupthink_72:

(Start: 33 @42258 has 84 MA's), (Start: 42 @42240 has 15 MA's), (52, 42225), (Start: 59 @42204 has 11 MA's), (66, 42171), (75, 42120), (77, 42111), (80, 42084), (82, 42078), (91, 42045),

Gene: Grub_70 Start: 42433, Stop: 42125, Start Num: 33

Candidate Starts for Grub_70:

(Start: 33 @42433 has 84 MA's), (Start: 42 @42415 has 15 MA's), (52, 42400), (Start: 59 @42379 has 11 MA's), (66, 42346), (75, 42295), (77, 42286), (80, 42259), (82, 42253), (91, 42220),

Gene: Grum1_71 Start: 42441, Stop: 42133, Start Num: 33

Candidate Starts for Grum1_71:

(Start: 33 @42441 has 84 MA's), (Start: 42 @42423 has 15 MA's), (52, 42408), (Start: 59 @42387 has 11 MA's), (66, 42354), (75, 42303), (77, 42294), (80, 42267), (82, 42261), (91, 42228),

Gene: GtownJaz_72 Start: 42389, Stop: 42135, Start Num: 59

Candidate Starts for GtownJaz_72:

(Start: 42 @42425 has 15 MA's), (52, 42410), (Start: 59 @42389 has 11 MA's), (66, 42356), (75, 42305), (77, 42296), (80, 42269), (82, 42263), (91, 42230),

Gene: Gwendoluna_70 Start: 44629, Stop: 44336, Start Num: 40

Candidate Starts for Gwendoluna_70:

(27, 44656), (Start: 40 @44629 has 223 MA's), (Start: 64 @44584 has 1 MA's), (67, 44554), (75, 44506), (82, 44464),

Gene: Gwennie_67 Start: 42427, Stop: 42137, Start Num: 42

Candidate Starts for Gwennie_67:

(Start: 33 @42445 has 84 MA's), (Start: 42 @42427 has 15 MA's), (52, 42412), (Start: 59 @42391 has 11 MA's), (66, 42358), (75, 42307), (77, 42298), (80, 42271), (82, 42265), (91, 42232),

Gene: Gyzlar_61 Start: 40384, Stop: 40091, Start Num: 40

Candidate Starts for Gyzlar_61:

(27, 40411), (Start: 40 @40384 has 223 MA's), (Start: 64 @40339 has 1 MA's), (75, 40261), (82, 40219),

Gene: HINdeR_66 Start: 44898, Stop: 44536, Start Num: 22

Candidate Starts for HINdeR_66:

(Start: 22 @44898 has 1 MA's), (Start: 31 @44865 has 1 MA's), (Start: 43 @44826 has 1 MA's), (69, 44745), (75, 44706), (77, 44697), (85, 44649), (89, 44634), (91, 44631), (96, 44610), (101, 44559), (105, 44541),

Gene: Hami1_61 Start: 38461, Stop: 38168, Start Num: 40

Candidate Starts for Hami1_61:

(Start: 40 @38461 has 223 MA's), (Start: 64 @38416 has 1 MA's), (67, 38386), (75, 38338), (82, 38296),

Gene: HanShotFirst_67 Start: 44227, Stop: 43934, Start Num: 40

Candidate Starts for HanShotFirst_67:

(27, 44254), (Start: 40 @44227 has 223 MA's), (Start: 64 @44182 has 1 MA's), (67, 44152), (75, 44104), (82, 44062),

Gene: Hanray_71 Start: 42693, Stop: 42415, Start Num: 44

Candidate Starts for Hanray_71:

(Start: 44 @42693 has 21 MA's), (76, 42585), (85, 42531), (87, 42522), (95, 42492),

Gene: HarryHoudini_71 Start: 43112, Stop: 42873, Start Num: 61

Candidate Starts for HarryHoudini_71:

(Start: 61 @43112 has 32 MA's), (67, 43085), (68, 43082), (77, 43037), (82, 43004), (91, 42971), (93, 42962), (95, 42950),

Gene: HarryOW_63 Start: 42195, Stop: 41902, Start Num: 40

Candidate Starts for HarryOW_63:

(27, 42222), (Start: 40 @42195 has 223 MA's), (67, 42120), (75, 42072), (82, 42030),

Gene: HashRod_73 Start: 42415, Stop: 42161, Start Num: 59

Candidate Starts for HashRod_73:

(Start: 33 @42469 has 84 MA's), (Start: 42 @42451 has 15 MA's), (52, 42436), (Start: 59 @42415 has 11 MA's), (66, 42382), (75, 42331), (77, 42322), (80, 42295), (82, 42289), (91, 42256),

Gene: HaveUMetTed_72 Start: 42243, Stop: 41935, Start Num: 33

Candidate Starts for HaveUMetTed_72:

(Start: 33 @42243 has 84 MA's), (Start: 42 @42225 has 15 MA's), (52, 42210), (Start: 59 @42189 has 11 MA's), (66, 42156), (75, 42105), (77, 42096), (80, 42069), (82, 42063), (84, 42054), (91, 42030),

Gene: Heliosoles_69 Start: 42261, Stop: 41953, Start Num: 33

Candidate Starts for Heliosoles_69:

(Start: 33 @42261 has 84 MA's), (Start: 42 @42243 has 15 MA's), (52, 42228), (Start: 59 @42207 has 11 MA's), (66, 42174), (75, 42123), (77, 42114), (80, 42087), (82, 42081), (91, 42048),

Gene: Hercules11_72 Start: 42450, Stop: 42142, Start Num: 33

Candidate Starts for Hercules11_72:

(Start: 33 @42450 has 84 MA's), (Start: 42 @42432 has 15 MA's), (52, 42417), (Start: 59 @42396 has 11 MA's), (66, 42363), (75, 42312), (77, 42303), (80, 42276), (82, 42270), (91, 42237),

Gene: Hermia_63 Start: 42193, Stop: 41900, Start Num: 40

Candidate Starts for Hermia_63:

(27, 42220), (Start: 40 @42193 has 223 MA's), (67, 42118), (75, 42070), (82, 42028),

Gene: HermioneGrange_68 Start: 43698, Stop: 43405, Start Num: 40

Candidate Starts for HermioneGrange_68:

(5, 43926), (27, 43725), (Start: 40 @43698 has 223 MA's), (Start: 64 @43653 has 1 MA's), (67, 43623), (75, 43575), (82, 43533),

Gene: HippoHollow_69 Start: 44278, Stop: 44036, Start Num: 61

Candidate Starts for HippoHollow_69:

(Start: 42 @44317 has 15 MA's), (Start: 61 @44278 has 32 MA's), (77, 44203), (82, 44170), (91, 44137), (93, 44128), (95, 44116),

Gene: Horex_71 Start: 42709, Stop: 42431, Start Num: 44

Candidate Starts for Horex_71:

(Start: 44 @42709 has 21 MA's), (76, 42601), (85, 42547), (87, 42538), (95, 42508),

Gene: Homines_57 Start: 38523, Stop: 38230, Start Num: 40

Candidate Starts for Homines_57:

(27, 38550), (Start: 40 @38523 has 223 MA's), (Start: 64 @38478 has 1 MA's), (67, 38448), (75, 38400), (82, 38358),

Gene: Hope4ever_67 Start: 42682, Stop: 42389, Start Num: 40

Candidate Starts for Hope4ever_67:

(27, 42709), (Start: 40 @42682 has 223 MA's), (Start: 64 @42637 has 1 MA's), (67, 42607), (75, 42559), (82, 42517),

Gene: HortumSL17_74 Start: 42693, Stop: 42415, Start Num: 44

Candidate Starts for HortumSL17_74:

(Start: 44 @42693 has 21 MA's), (76, 42585), (85, 42531), (87, 42522), (95, 42492),

Gene: ILeeKay_68 Start: 42579, Stop: 42286, Start Num: 40

Candidate Starts for ILeeKay_68:

(Start: 40 @42579 has 223 MA's), (Start: 64 @42534 has 1 MA's), (67, 42504), (75, 42456), (82, 42414),

Gene: Ichabod_70 Start: 43792, Stop: 43499, Start Num: 40

Candidate Starts for Ichabod_70:

(27, 43819), (Start: 40 @43792 has 223 MA's), (Start: 64 @43747 has 1 MA's), (67, 43717), (75, 43669), (82, 43627),

Gene: IgnatiusPatJac_66 Start: 42364, Stop: 42071, Start Num: 40

Candidate Starts for IgnatiusPatJac_66:

(27, 42391), (Start: 40 @42364 has 223 MA's), (Start: 64 @42319 has 1 MA's), (67, 42289), (75, 42241), (82, 42199),

Gene: Inyanga_61 Start: 42487, Stop: 42194, Start Num: 40

Candidate Starts for Inyanga_61:

(27, 42514), (Start: 40 @42487 has 223 MA's), (Start: 64 @42442 has 1 MA's), (67, 42412), (75, 42364), (82, 42322),

Gene: Iqorha_61 Start: 42486, Stop: 42193, Start Num: 40

Candidate Starts for Iqorha_61:

(27, 42513), (Start: 40 @42486 has 223 MA's), (Start: 64 @42441 has 1 MA's), (67, 42411), (75, 42363), (82, 42321),

Gene: IronMan_68 Start: 43620, Stop: 43360, Start Num: 56

Candidate Starts for IronMan_68:

(17, 43788), (25, 43707), (Start: 56 @43620 has 23 MA's), (77, 43524), (82, 43491), (91, 43458), (93, 43449), (95, 43437),

Gene: Isiphiwo_69 Start: 40857, Stop: 40609, Start Num: 56

Candidate Starts for Isiphiwo_69:

(10, 41097), (17, 41025), (25, 40944), (36, 40899), (Start: 56 @40857 has 23 MA's), (75, 40782), (82, 40740), (90, 40710), (93, 40698),

Gene: JC27_70 Start: 43426, Stop: 43133, Start Num: 40

Candidate Starts for JC27_70:

(27, 43453), (Start: 40 @43426 has 223 MA's), (Start: 64 @43381 has 1 MA's), (67, 43351), (75, 43303), (82, 43261),

Gene: JHC117_68 Start: 42422, Stop: 42132, Start Num: 42

Candidate Starts for JHC117_68:

(Start: 42 @42422 has 15 MA's), (52, 42407), (Start: 59 @42386 has 11 MA's), (66, 42353), (75, 42302), (77, 42293), (80, 42266), (82, 42260), (91, 42227),

Gene: JSwag_79 Start: 43080, Stop: 42802, Start Num: 49

Candidate Starts for JSwag_79:

(Start: 49 @43080 has 32 MA's), (72, 43002), (77, 42963), (82, 42930), (90, 42900), (91, 42897), (95, 42876), (98, 42843),

Gene: Jaan_69 Start: 43788, Stop: 43528, Start Num: 56

Candidate Starts for Jaan_69:

(17, 43956), (25, 43875), (Start: 56 @43788 has 23 MA's), (77, 43692), (82, 43659), (91, 43626), (93, 43617), (95, 43605),

Gene: JackSparrow_69 Start: 42909, Stop: 42616, Start Num: 40

Candidate Starts for JackSparrow_69:

(27, 42936), (Start: 40 @42909 has 223 MA's), (Start: 64 @42864 has 1 MA's), (67, 42834), (75, 42786), (82, 42744),

Gene: Jasper_67 Start: 41959, Stop: 41666, Start Num: 40

Candidate Starts for Jasper_67:

(27, 41986), (Start: 40 @41959 has 223 MA's), (Start: 64 @41914 has 1 MA's), (67, 41884), (75, 41836), (82, 41794),

Gene: Jeeves_74 Start: 42446, Stop: 42174, Start Num: 49

Candidate Starts for Jeeves_74:

(38, 42467), (Start: 49 @42446 has 32 MA's), (Start: 55 @42437 has 2 MA's), (75, 42347), (76, 42344), (81, 42308), (82, 42305), (93, 42263), (95, 42251), (101, 42200),

Gene: JenCasNa_73 Start: 42441, Stop: 42133, Start Num: 33

Candidate Starts for JenCasNa_73:

(Start: 33 @42441 has 84 MA's), (Start: 42 @42423 has 15 MA's), (52, 42408), (Start: 59 @42387 has 11 MA's), (66, 42354), (75, 42303), (77, 42294), (80, 42267), (82, 42261), (91, 42228),

Gene: JeppNRM_72 Start: 42259, Stop: 41951, Start Num: 33

Candidate Starts for JeppNRM_72:

(Start: 33 @42259 has 84 MA's), (Start: 42 @42241 has 15 MA's), (52, 42226), (Start: 59 @42205 has 11 MA's), (66, 42172), (75, 42121), (77, 42112), (80, 42085), (82, 42079), (84, 42070), (91, 42046),

Gene: Jerm2_67 Start: 43768, Stop: 43475, Start Num: 40

Candidate Starts for Jerm2_67:

(27, 43795), (Start: 40 @43768 has 223 MA's), (Start: 64 @43723 has 1 MA's), (67, 43693), (75, 43645), (82, 43603),

Gene: JewelBug_71 Start: 41591, Stop: 41343, Start Num: 56

Candidate Starts for JewelBug_71:

(10, 41831), (17, 41759), (25, 41678), (36, 41633), (Start: 56 @41591 has 23 MA's), (75, 41516), (82, 41474), (90, 41444), (93, 41432),

Gene: Jiawan_70 Start: 42725, Stop: 42447, Start Num: 44

Candidate Starts for Jiawan_70:

(Start: 44 @42725 has 21 MA's), (76, 42617), (85, 42563), (87, 42554), (95, 42524),

Gene: Jobu08_68 Start: 42273, Stop: 41965, Start Num: 33

Candidate Starts for Jobu08_68:

(Start: 33 @42273 has 84 MA's), (Start: 42 @42255 has 15 MA's), (52, 42240), (Start: 59 @42219 has 11 MA's), (66, 42186), (75, 42135), (77, 42126), (80, 42099), (82, 42093), (84, 42084), (91, 42060),

Gene: Jordennis_70 Start: 41072, Stop: 40824, Start Num: 56

Candidate Starts for Jordennis_70:

(10, 41312), (17, 41240), (25, 41159), (36, 41114), (Start: 56 @41072 has 23 MA's), (75, 40997), (82, 40955), (90, 40925), (93, 40913),

Gene: Jorgensen_71 Start: 43337, Stop: 43044, Start Num: 40

Candidate Starts for Jorgensen_71:

(27, 43364), (Start: 40 @43337 has 223 MA's), (Start: 64 @43292 has 1 MA's), (67, 43262), (70, 43250), (75, 43214), (82, 43172),

Gene: JuliaChild_67 Start: 43013, Stop: 42720, Start Num: 40

Candidate Starts for JuliaChild_67:

(27, 43040), (Start: 40 @43013 has 223 MA's), (Start: 64 @42968 has 1 MA's), (67, 42938), (75, 42890), (82, 42848),

Gene: KADY_69 Start: 42469, Stop: 42161, Start Num: 33

Candidate Starts for KADY_69:

(7, 42676), (Start: 33 @42469 has 84 MA's), (Start: 40 @42457 has 223 MA's), (Start: 42 @42451 has 15 MA's), (52, 42436), (Start: 59 @42415 has 11 MA's), (66, 42382), (75, 42331), (77, 42322), (80, 42295), (82, 42289), (91, 42256),

Gene: KBG_67 Start: 44545, Stop: 44252, Start Num: 40

Candidate Starts for KBG_67:

(Start: 40 @44545 has 223 MA's), (Start: 64 @44500 has 1 MA's), (67, 44470), (75, 44422), (82, 44380),

Gene: KSSJEB_65 Start: 41821, Stop: 41528, Start Num: 40

Candidate Starts for KSSJEB_65:

(Start: 40 @41821 has 223 MA's), (Start: 64 @41776 has 1 MA's), (67, 41746), (75, 41698), (82, 41656),

Gene: Kalb97_72 Start: 42257, Stop: 41949, Start Num: 33

Candidate Starts for Kalb97_72:

(Start: 33 @42257 has 84 MA's), (Start: 42 @42239 has 15 MA's), (52, 42224), (Start: 59 @42203 has 11 MA's), (66, 42170), (75, 42119), (77, 42110), (80, 42083), (82, 42077), (84, 42068), (91, 42044),

Gene: Kalnoky_72 Start: 42255, Stop: 41947, Start Num: 33

Candidate Starts for Kalnoky_72:

(Start: 33 @42255 has 84 MA's), (Start: 42 @42237 has 15 MA's), (52, 42222), (Start: 59 @42201 has 11 MA's), (66, 42168), (75, 42117), (77, 42108), (80, 42081), (82, 42075), (91, 42042),

Gene: Kalpine_70 Start: 43417, Stop: 43178, Start Num: 61

Candidate Starts for Kalpine_70:

(Start: 42 @43456 has 15 MA's), (Start: 61 @43417 has 32 MA's), (77, 43342), (82, 43309), (91, 43276), (93, 43267), (95, 43255), (101, 43204),

Gene: Kanely_67 Start: 42580, Stop: 42287, Start Num: 40

Candidate Starts for Kanely_67:

(27, 42607), (Start: 40 @42580 has 223 MA's), (Start: 64 @42535 has 1 MA's), (67, 42505), (70, 42493), (75, 42457), (82, 42415),

Gene: KatherineG_80 Start: 43544, Stop: 43266, Start Num: 49

Candidate Starts for KatherineG_80:

(24, 43604), (Start: 49 @43544 has 32 MA's), (72, 43466), (77, 43427), (82, 43394), (90, 43364), (91, 43361), (95, 43340), (98, 43307),

Gene: Kenmech_70 Start: 44418, Stop: 44125, Start Num: 40

Candidate Starts for Kenmech_70:

(Start: 40 @44418 has 223 MA's), (Start: 64 @44373 has 1 MA's), (67, 44343), (75, 44295), (82, 44253),

Gene: Keziacharles14_69 Start: 43094, Stop: 42822, Start Num: 46

Candidate Starts for Keziacharles14_69:

(Start: 46 @43094 has 1 MA's), (76, 42989), (82, 42950), (85, 42935), (90, 42920), (95, 42896),

Gene: KikiBouba_64 Start: 42002, Stop: 41709, Start Num: 40

Candidate Starts for KikiBouba_64:

(27, 42029), (Start: 40 @42002 has 223 MA's), (67, 41927), (75, 41879), (82, 41837),

Gene: Killigrew_64 Start: 42625, Stop: 42332, Start Num: 40

Candidate Starts for Killigrew_64:

(27, 42652), (Start: 40 @42625 has 223 MA's), (Start: 64 @42580 has 1 MA's), (67, 42550), (75, 42502), (82, 42460),

Gene: Kinmap_73 Start: 41794, Stop: 41531, Start Num: 54

Candidate Starts for Kinmap_73:

(54, 41794), (73, 41728), (75, 41701), (76, 41698), (77, 41692), (78, 41677), (82, 41659), (85, 41644), (91, 41626), (95, 41605),

Gene: KittenMittens_61 Start: 40395, Stop: 40087, Start Num: 33

Candidate Starts for KittenMittens_61:

(Start: 33 @40395 has 84 MA's), (52, 40353), (62, 40329), (75, 40257), (84, 40206), (91, 40182), (102, 40107),

Gene: Klodlith_68 Start: 41770, Stop: 41483, Start Num: 43

Candidate Starts for Klodlith_68:

(Start: 43 @41770 has 1 MA's), (76, 41665), (82, 41626), (95, 41572),

Gene: Kristoff_63 Start: 41709, Stop: 41401, Start Num: 33

Candidate Starts for Kristoff_63:

(Start: 33 @41709 has 84 MA's), (39, 41691), (52, 41667), (62, 41643), (84, 41520), (91, 41496), (102, 41421),

Gene: Kugel_70 Start: 44438, Stop: 44145, Start Num: 40

Candidate Starts for Kugel_70:

(27, 44465), (Start: 40 @44438 has 223 MA's), (Start: 64 @44393 has 1 MA's), (67, 44363), (75, 44315), (82, 44273),

Gene: KyMonks1A_70 Start: 42786, Stop: 42493, Start Num: 40

Candidate Starts for KyMonks1A_70:

(27, 42813), (Start: 40 @42786 has 223 MA's), (Start: 64 @42741 has 1 MA's), (75, 42663), (82, 42621),

Gene: Kykar_67 Start: 43161, Stop: 42868, Start Num: 40

Candidate Starts for Kykar_67:

(4, 43419), (6, 43383), (27, 43188), (Start: 40 @43161 has 223 MA's), (Start: 64 @43116 has 1 MA's), (67, 43086), (75, 43038), (82, 42996),

Gene: LBerry_73 Start: 42445, Stop: 42137, Start Num: 33

Candidate Starts for LBerry_73:

(Start: 33 @42445 has 84 MA's), (Start: 42 @42427 has 15 MA's), (52, 42412), (Start: 59 @42391 has 11 MA's), (66, 42358), (75, 42307), (77, 42298), (80, 42271), (82, 42265), (91, 42232),

Gene: LadyBird_74 Start: 43662, Stop: 43423, Start Num: 61

Candidate Starts for LadyBird_74:

(Start: 42 @43701 has 15 MA's), (Start: 61 @43662 has 32 MA's), (77, 43587), (82, 43554), (91, 43521), (93, 43512), (95, 43500), (103, 43443),

Gene: Lamina13_69 Start: 43778, Stop: 43485, Start Num: 40

Candidate Starts for Lamina13_69:

(Start: 40 @43778 has 223 MA's), (Start: 64 @43733 has 1 MA's), (67, 43703), (75, 43655), (82, 43613),

Gene: Landor_69 Start: 43695, Stop: 43435, Start Num: 56

Candidate Starts for Landor_69:

(Start: 56 @43695 has 23 MA's), (77, 43599), (82, 43566), (91, 43533), (93, 43524), (95, 43512),

Gene: Larenn_68 Start: 42943, Stop: 42704, Start Num: 61

Candidate Starts for Larenn_68:

(Start: 61 @42943 has 32 MA's), (77, 42868), (82, 42835), (85, 42820), (91, 42802), (93, 42793), (95, 42781), (103, 42724),

Gene: LarryKay_72 Start: 42417, Stop: 42163, Start Num: 59

Candidate Starts for LarryKay_72:

(Start: 42 @42453 has 15 MA's), (52, 42438), (Start: 59 @42417 has 11 MA's), (66, 42384), (75, 42333), (77, 42324), (80, 42297), (82, 42291), (91, 42258),

Gene: LastResort_78 Start: 43475, Stop: 43197, Start Num: 49

Candidate Starts for LastResort_78:

(24, 43535), (Start: 49 @43475 has 32 MA's), (72, 43397), (77, 43358), (82, 43325), (90, 43295), (91, 43292), (95, 43271), (98, 43238),

Gene: Leogania_70 Start: 43630, Stop: 43391, Start Num: 61

Candidate Starts for Leogania_70:

(Start: 42 @43669 has 15 MA's), (Start: 61 @43630 has 32 MA's), (77, 43555), (82, 43522), (91, 43489), (93, 43480), (95, 43468),

Gene: Lesedi_62 Start: 40853, Stop: 40560, Start Num: 40

Candidate Starts for Lesedi_62:

(Start: 40 @40853 has 223 MA's), (Start: 64 @40808 has 1 MA's), (67, 40778), (75, 40730), (82, 40688),

Gene: Levia_63 Start: 41770, Stop: 41477, Start Num: 40

Candidate Starts for Levia_63:

(Start: 40 @41770 has 223 MA's), (Start: 64 @41725 has 1 MA's), (67, 41695), (75, 41647), (82, 41605),

Gene: Licorice_66 Start: 43887, Stop: 43594, Start Num: 40

Candidate Starts for Licorice_66:

(27, 43914), (Start: 40 @43887 has 223 MA's), (Start: 64 @43842 has 1 MA's), (67, 43812), (75, 43764), (82, 43722),

Gene: LilBib_65 Start: 43871, Stop: 43578, Start Num: 40

Candidate Starts for LilBib_65:

(Start: 40 @43871 has 223 MA's), (Start: 64 @43826 has 1 MA's), (67, 43796), (75, 43748), (82, 43706),

Gene: Lilith_70 Start: 42434, Stop: 42126, Start Num: 33

Candidate Starts for Lilith_70:

(Start: 33 @42434 has 84 MA's), (Start: 42 @42416 has 15 MA's), (52, 42401), (Start: 59 @42380 has 11 MA's), (66, 42347), (75, 42296), (77, 42287), (80, 42260), (82, 42254), (91, 42221),

Gene: Lilleskat_70 Start: 42650, Stop: 42372, Start Num: 44

Candidate Starts for Lilleskat_70:

(Start: 44 @42650 has 21 MA's), (76, 42542), (85, 42488), (87, 42479), (95, 42449),

Gene: LionsBait_71 Start: 44279, Stop: 44037, Start Num: 61

Candidate Starts for LionsBait_71:

(Start: 42 @44318 has 15 MA's), (Start: 61 @44279 has 32 MA's), (77, 44204), (82, 44171), (91, 44138), (93, 44129), (95, 44117),

Gene: Lockley_65 Start: 42740, Stop: 42447, Start Num: 40

Candidate Starts for Lockley_65:

(27, 42767), (Start: 40 @42740 has 223 MA's), (Start: 64 @42695 has 1 MA's), (67, 42665), (75, 42617), (82, 42575),

Gene: LogiBear_71 Start: 41645, Stop: 41367, Start Num: 49

Candidate Starts for LogiBear_71:

(19, 41777), (Start: 49 @41645 has 32 MA's), (75, 41549), (77, 41540), (82, 41507), (86, 41480), (88, 41468), (91, 41462), (95, 41441),

Gene: Lokk_65 Start: 41753, Stop: 41511, Start Num: 61

Candidate Starts for Lokk_65:

(Start: 61 @41753 has 32 MA's), (77, 41678), (82, 41645), (91, 41612), (93, 41603),

Gene: LoneWolf_73 Start: 42713, Stop: 42423, Start Num: 35

Candidate Starts for LoneWolf_73:

(Start: 35 @42713 has 5 MA's), (76, 42602), (85, 42548), (95, 42509),

Gene: Looper_79 Start: 43387, Stop: 43109, Start Num: 49

Candidate Starts for Looper_79:

(24, 43447), (Start: 49 @43387 has 32 MA's), (72, 43309), (77, 43270), (82, 43237), (90, 43207), (91, 43204), (95, 43183), (98, 43150),

Gene: Lopton_66 Start: 44440, Stop: 44147, Start Num: 40

Candidate Starts for Lopton_66:

(27, 44467), (Start: 40 @44440 has 223 MA's), (Start: 64 @44395 has 1 MA's), (67, 44365), (75, 44317), (82, 44275),

Gene: Loser_72 Start: 43514, Stop: 43275, Start Num: 61

Candidate Starts for Loser_72:

(Start: 42 @43553 has 15 MA's), (Start: 61 @43514 has 32 MA's), (75, 43448), (77, 43439), (82, 43406), (91, 43373), (93, 43364), (95, 43352),

Gene: Louie6_71 Start: 42471, Stop: 42163, Start Num: 33

Candidate Starts for Louie6_71:

(7, 42678), (Start: 33 @42471 has 84 MA's), (Start: 40 @42459 has 223 MA's), (Start: 42 @42453 has 15 MA's), (52, 42438), (Start: 59 @42417 has 11 MA's), (66, 42384), (75, 42333), (77, 42324), (80, 42297), (82, 42291), (91, 42258),

Gene: Lowa_69 Start: 42379, Stop: 42125, Start Num: 59

Candidate Starts for Lowa_69:

(Start: 33 @42433 has 84 MA's), (Start: 42 @42415 has 15 MA's), (52, 42400), (Start: 59 @42379 has 11 MA's), (66, 42346), (75, 42295), (77, 42286), (80, 42259), (82, 42253), (91, 42220),

Gene: Luchador_73 Start: 43928, Stop: 43659, Start Num: 49

Candidate Starts for Luchador_73:

(38, 43949), (Start: 49 @43928 has 32 MA's), (Start: 51 @43925 has 1 MA's), (76, 43829), (81, 43793), (82, 43790), (93, 43748), (95, 43736), (101, 43685),

Gene: Lucyedi_75 Start: 43494, Stop: 43234, Start Num: 49

Candidate Starts for Lucyedi_75:

(14, 43650), (23, 43560), (28, 43542), (Start: 29 @43536 has 1 MA's), (Start: 49 @43494 has 32 MA's), (81, 43356), (95, 43299),

Gene: LugYA_75 Start: 42442, Stop: 42134, Start Num: 33

Candidate Starts for LugYA_75:

(Start: 33 @42442 has 84 MA's), (Start: 42 @42424 has 15 MA's), (52, 42409), (Start: 59 @42388 has 11 MA's), (66, 42355), (75, 42304), (77, 42295), (80, 42268), (82, 42262), (91, 42229),

Gene: LunarLander_65 Start: 43066, Stop: 42773, Start Num: 40

Candidate Starts for LunarLander_65:

(27, 43093), (Start: 40 @43066 has 223 MA's), (Start: 64 @43021 has 1 MA's), (67, 42991), (75, 42943), (82, 42901),

Gene: MPlant7149_66 Start: 41586, Stop: 41293, Start Num: 40

Candidate Starts for MPlant7149_66:

(5, 41814), (27, 41613), (Start: 40 @41586 has 223 MA's), (Start: 64 @41541 has 1 MA's), (67, 41511), (75, 41463), (82, 41421),

Gene: MadMarie_70 Start: 42425, Stop: 42135, Start Num: 42

Candidate Starts for MadMarie_70:

(Start: 42 @42425 has 15 MA's), (52, 42410), (Start: 59 @42389 has 11 MA's), (66, 42356), (75, 42305), (77, 42296), (80, 42269), (82, 42263), (91, 42230),

Gene: Magnar_65 Start: 42659, Stop: 42366, Start Num: 40

Candidate Starts for Magnar_65:

(27, 42686), (Start: 40 @42659 has 223 MA's), (Start: 64 @42614 has 1 MA's), (67, 42584), (75, 42536), (82, 42494),

Gene: Magnito_67 Start: 42855, Stop: 42562, Start Num: 40

Candidate Starts for Magnito_67:

(27, 42882), (Start: 40 @42855 has 223 MA's), (Start: 64 @42810 has 1 MA's), (67, 42780), (75, 42732), (82, 42690),

Gene: Mainiac_71 Start: 42417, Stop: 42127, Start Num: 42

Candidate Starts for Mainiac_71:

(Start: 42 @42417 has 15 MA's), (52, 42402), (Start: 59 @42381 has 11 MA's), (66, 42348), (75, 42297), (77, 42288), (80, 42261), (82, 42255), (91, 42222),

Gene: Makemake_72 Start: 44876, Stop: 44583, Start Num: 40

Candidate Starts for Makemake_72:

(Start: 40 @44876 has 223 MA's), (Start: 64 @44831 has 1 MA's), (67, 44801), (75, 44753), (82, 44711),

Gene: Malec_69 Start: 43510, Stop: 43271, Start Num: 61

Candidate Starts for Malec_69:

(Start: 61 @43510 has 32 MA's), (77, 43435), (82, 43402), (85, 43387), (91, 43369), (93, 43360), (95, 43348), (103, 43291),

Gene: Malinsilva_74 Start: 42433, Stop: 42125, Start Num: 33

Candidate Starts for Malinsilva_74:

(Start: 33 @42433 has 84 MA's), (Start: 42 @42415 has 15 MA's), (52, 42400), (Start: 59 @42379 has 11 MA's), (66, 42346), (75, 42295), (77, 42286), (80, 42259), (82, 42253), (91, 42220),

Gene: Maminiaina_73 Start: 42834, Stop: 42550, Start Num: 35

Candidate Starts for Maminiaina_73:

(Start: 35 @42834 has 5 MA's), (76, 42723), (82, 42684), (95, 42630),

Gene: Manatee_66 Start: 42327, Stop: 42034, Start Num: 40

Candidate Starts for Manatee_66:

(Start: 40 @42327 has 223 MA's), (Start: 64 @42282 has 1 MA's), (67, 42252), (75, 42204), (82, 42162),

Gene: Manu_71 Start: 42258, Stop: 41950, Start Num: 33

Candidate Starts for Manu_71:

(Start: 33 @42258 has 84 MA's), (Start: 42 @42240 has 15 MA's), (52, 42225), (Start: 59 @42204 has 11 MA's), (66, 42171), (75, 42120), (77, 42111), (80, 42084), (82, 42078), (84, 42069), (91, 42045),

Gene: MarQuardt_72 Start: 42443, Stop: 42135, Start Num: 33

Candidate Starts for MarQuardt_72:

(Start: 33 @42443 has 84 MA's), (Start: 42 @42425 has 15 MA's), (52, 42410), (Start: 59 @42389 has 11 MA's), (66, 42356), (75, 42305), (77, 42296), (80, 42269), (82, 42263), (91, 42230),

Gene: Marcell_62 Start: 41366, Stop: 41073, Start Num: 40

Candidate Starts for Marcell_62:

(27, 41393), (Start: 40 @41366 has 223 MA's), (Start: 64 @41321 has 1 MA's), (67, 41291), (75, 41243), (82, 41201),

Gene: Marchy_59 Start: 39104, Stop: 38811, Start Num: 40

Candidate Starts for Marchy_59:

(Start: 40 @39104 has 223 MA's), (Start: 64 @39059 has 1 MA's), (67, 39029), (75, 38981), (82, 38939),

Gene: Marco3_72 Start: 45164, Stop: 44871, Start Num: 40

Candidate Starts for Marco3_72:

(Start: 40 @45164 has 223 MA's), (Start: 64 @45119 has 1 MA's), (67, 45089), (75, 45041), (82, 44999),

Gene: Marge_62 Start: 41896, Stop: 41603, Start Num: 40

Candidate Starts for Marge_62:

(27, 41923), (Start: 40 @41896 has 223 MA's), (Start: 64 @41851 has 1 MA's), (67, 41821), (75, 41773), (82, 41731),

Gene: Marie_70 Start: 42441, Stop: 42133, Start Num: 33

Candidate Starts for Marie_70:

(Start: 33 @42441 has 84 MA's), (Start: 42 @42423 has 15 MA's), (52, 42408), (Start: 59 @42387 has 11 MA's), (66, 42354), (75, 42303), (77, 42294), (80, 42267), (82, 42261), (91, 42228),

Gene: Marius_72 Start: 42255, Stop: 41947, Start Num: 33

Candidate Starts for Marius_72:

(Start: 33 @42255 has 84 MA's), (Start: 42 @42237 has 15 MA's), (52, 42222), (Start: 59 @42201 has 11 MA's), (66, 42168), (75, 42117), (77, 42108), (80, 42081), (82, 42075), (91, 42042),

Gene: Maroc7_65 Start: 43339, Stop: 43046, Start Num: 40

Candidate Starts for Maroc7_65:

(27, 43366), (Start: 40 @43339 has 223 MA's), (Start: 64 @43294 has 1 MA's), (67, 43264), (70, 43252), (75, 43216), (82, 43174),

Gene: Marsha_66 Start: 43889, Stop: 43596, Start Num: 40

Candidate Starts for Marsha_66:

(Start: 40 @43889 has 223 MA's), (Start: 64 @43844 has 1 MA's), (67, 43814), (75, 43766), (82, 43724),

Gene: MaryBeth_63 Start: 42720, Stop: 42427, Start Num: 40

Candidate Starts for MaryBeth_63:

(27, 42747), (Start: 40 @42720 has 223 MA's), (Start: 64 @42675 has 1 MA's), (67, 42645), (75, 42597), (82, 42555),

Gene: McFly_71 Start: 41284, Stop: 41036, Start Num: 56

Candidate Starts for McFly_71:

(10, 41524), (17, 41452), (25, 41371), (36, 41326), (Start: 56 @41284 has 23 MA's), (75, 41209), (82, 41167), (90, 41137), (93, 41125),

Gene: McGuire_66 Start: 41690, Stop: 41397, Start Num: 40

Candidate Starts for McGuire_66:

(27, 41717), (Start: 40 @41690 has 223 MA's), (Start: 64 @41645 has 1 MA's), (67, 41615), (75, 41567), (82, 41525),

Gene: McSinger_63 Start: 41639, Stop: 41346, Start Num: 40

Candidate Starts for McSinger_63:

(27, 41666), (Start: 40 @41639 has 223 MA's), (Start: 64 @41594 has 1 MA's), (67, 41564), (75, 41516), (82, 41474),

Gene: MegTheThird_67 Start: 41584, Stop: 41285, Start Num: 37

Candidate Starts for MegTheThird_67:

(1, 42010), (Start: 37 @41584 has 1 MA's), (76, 41467), (82, 41428), (95, 41374),

Gene: MetalQZJ_62 Start: 42720, Stop: 42427, Start Num: 40

Candidate Starts for MetalQZJ_62:

(27, 42747), (Start: 40 @42720 has 223 MA's), (Start: 64 @42675 has 1 MA's), (67, 42645), (75, 42597), (82, 42555),

Gene: Methuselah_65 Start: 42465, Stop: 42157, Start Num: 33

Candidate Starts for Methuselah_65:

(Start: 33 @42465 has 84 MA's), (Start: 42 @42447 has 15 MA's), (52, 42432), (Start: 59 @42411 has 11 MA's), (66, 42378), (75, 42327), (77, 42318), (80, 42291), (82, 42285), (91, 42252),

Gene: Michley_70 Start: 43281, Stop: 42988, Start Num: 40

Candidate Starts for Michley_70:

(Start: 40 @43281 has 223 MA's), (Start: 64 @43236 has 1 MA's), (67, 43206), (70, 43194), (75, 43158), (82, 43116),

Gene: Microwolf_68 Start: 42457, Stop: 42149, Start Num: 33

Candidate Starts for Microwolf_68:

(Start: 33 @42457 has 84 MA's), (Start: 42 @42439 has 15 MA's), (52, 42424), (Start: 59 @42403 has 11 MA's), (66, 42370), (75, 42319), (77, 42310), (80, 42283), (82, 42277), (91, 42244),

Gene: MiculUcigas_71 Start: 42957, Stop: 42718, Start Num: 61

Candidate Starts for MiculUcigas_71:

(Start: 42 @42996 has 15 MA's), (Start: 61 @42957 has 32 MA's), (67, 42930), (68, 42927), (77, 42882), (82, 42849), (91, 42816), (93, 42807), (95, 42795), (103, 42738),

Gene: Midas2_62 Start: 41634, Stop: 41383, Start Num: 58

Candidate Starts for Midas2_62:

(Start: 58 @41634 has 9 MA's), (Start: 65 @41622 has 2 MA's), (77, 41541), (78, 41526), (93, 41463), (98, 41418), (102, 41397), (104, 41391),

Gene: Miko_65 Start: 42531, Stop: 42289, Start Num: 61

Candidate Starts for Miko_65:

(Start: 61 @42531 has 32 MA's), (67, 42504), (77, 42456), (82, 42423), (91, 42390), (93, 42381),

Gene: MilleFeuille_68 Start: 42452, Stop: 42159, Start Num: 40

Candidate Starts for MilleFeuille_68:

(27, 42479), (Start: 40 @42452 has 223 MA's), (Start: 64 @42407 has 1 MA's), (67, 42377), (75, 42329), (82, 42287),

Gene: MinecraftSteve_80 Start: 43368, Stop: 43090, Start Num: 49

Candidate Starts for MinecraftSteve_80:

(24, 43428), (Start: 49 @43368 has 32 MA's), (72, 43290), (77, 43251), (82, 43218), (90, 43188), (91, 43185), (95, 43164), (98, 43131),

Gene: Minispark_70 Start: 42324, Stop: 42022, Start Num: 35

Candidate Starts for Minispark_70:

(9, 42534), (Start: 35 @42324 has 5 MA's), (82, 42162), (95, 42108),

Gene: Misomonster_73 Start: 42468, Stop: 42160, Start Num: 33

Candidate Starts for Misomonster_73:

(7, 42675), (Start: 33 @42468 has 84 MA's), (Start: 40 @42456 has 223 MA's), (Start: 42 @42450 has 15 MA's), (52, 42435), (Start: 59 @42414 has 11 MA's), (66, 42381), (75, 42330), (77, 42321), (80, 42294), (82, 42288), (91, 42255),

Gene: Mkhuseli_61 Start: 40758, Stop: 40465, Start Num: 40

Candidate Starts for Mkhuseli_61:

(27, 40785), (Start: 40 @40758 has 223 MA's), (Start: 64 @40713 has 1 MA's), (67, 40683), (75, 40635), (82, 40593),

Gene: Molly_67 Start: 42963, Stop: 42670, Start Num: 40

Candidate Starts for Molly_67:

(27, 42990), (Start: 40 @42963 has 223 MA's), (Start: 64 @42918 has 1 MA's), (67, 42888), (75, 42840), (82, 42798),

Gene: Monet_68 Start: 44284, Stop: 43991, Start Num: 40

Candidate Starts for Monet_68:

(27, 44311), (Start: 40 @44284 has 223 MA's), (Start: 64 @44239 has 1 MA's), (67, 44209), (75, 44161), (82, 44119),

Gene: MoneyMay_71 Start: 42441, Stop: 42133, Start Num: 33

Candidate Starts for MoneyMay_71:

(Start: 33 @42441 has 84 MA's), (Start: 42 @42423 has 15 MA's), (52, 42408), (Start: 59 @42387 has 11 MA's), (66, 42354), (75, 42303), (77, 42294), (80, 42267), (82, 42261), (91, 42228),

Gene: Montavir_67 Start: 42388, Stop: 42134, Start Num: 59

Candidate Starts for Montavir_67:

(Start: 42 @42424 has 15 MA's), (52, 42409), (Start: 59 @42388 has 11 MA's), (66, 42355), (75, 42304), (77, 42295), (80, 42268), (82, 42262), (91, 42229),

Gene: Moose_67 Start: 42412, Stop: 42119, Start Num: 40

Candidate Starts for Moose_67:

(27, 42439), (Start: 40 @42412 has 223 MA's), (Start: 64 @42367 has 1 MA's), (67, 42337), (75, 42289), (82, 42247),

Gene: MrGordo_69 Start: 43202, Stop: 42909, Start Num: 40

Candidate Starts for MrGordo_69:

(Start: 40 @43202 has 223 MA's), (Start: 64 @43157 has 1 MA's), (67, 43127), (75, 43079),

Gene: Mryolo_64 Start: 42236, Stop: 41943, Start Num: 40

Candidate Starts for Mryolo_64:

(27, 42263), (Start: 40 @42236 has 223 MA's), (Start: 64 @42191 has 1 MA's), (67, 42161), (75, 42113), (82, 42071),

Gene: MuchMore_75 Start: 42433, Stop: 42125, Start Num: 33

Candidate Starts for MuchMore_75:

(Start: 33 @42433 has 84 MA's), (Start: 42 @42415 has 15 MA's), (52, 42400), (Start: 59 @42379 has 11 MA's), (66, 42346), (75, 42295), (77, 42286), (80, 42259), (82, 42253), (91, 42220),

Gene: Mule_63 Start: 41944, Stop: 41651, Start Num: 40

Candidate Starts for Mule_63:

(Start: 40 @41944 has 223 MA's), (Start: 64 @41899 has 1 MA's), (67, 41869), (75, 41821), (82, 41779),

Gene: Museum_68 Start: 44182, Stop: 43889, Start Num: 40

Candidate Starts for Museum_68:

(27, 44209), (Start: 40 @44182 has 223 MA's), (Start: 64 @44137 has 1 MA's), (67, 44107), (75, 44059), (82, 44017),

Gene: MyraDee_69 Start: 40422, Stop: 40147, Start Num: 42

Candidate Starts for MyraDee_69:

(Start: 42 @40422 has 15 MA's), (75, 40317), (76, 40314), (77, 40308), (90, 40245), (91, 40242), (93, 40233),

Gene: Myxus_73 Start: 42693, Stop: 42415, Start Num: 44

Candidate Starts for Myxus_73:

(Start: 44 @42693 has 21 MA's), (76, 42585), (85, 42531), (87, 42522), (95, 42492),

Gene: NEHalo_63 Start: 42836, Stop: 42543, Start Num: 40

Candidate Starts for NEHalo_63:

(27, 42863), (Start: 40 @42836 has 223 MA's), (Start: 64 @42791 has 1 MA's), (67, 42761), (75, 42713), (82, 42671),

Gene: NaSiaTalie_71 Start: 43051, Stop: 42812, Start Num: 61

Candidate Starts for NaSiaTalie_71:

(Start: 42 @43090 has 15 MA's), (Start: 61 @43051 has 32 MA's), (67, 43024), (68, 43021), (77, 42976), (82, 42943), (91, 42910), (93, 42901), (95, 42889), (103, 42832),

Gene: Naira_71 Start: 44806, Stop: 44513, Start Num: 40

Candidate Starts for Naira_71:

(27, 44851), (34, 44833), (Start: 40 @44806 has 223 MA's), (Start: 64 @44761 has 1 MA's), (67, 44731), (75, 44683), (82, 44641),

Gene: NearlyHeadless_81 Start: 43932, Stop: 43648, Start Num: 58
Candidate Starts for NearlyHeadless_81:
(Start: 58 @43932 has 9 MA's), (68, 43890), (76, 43848), (77, 43842), (91, 43770), (93, 43761), (94, 43752),

Gene: Nebulosus_77 Start: 43032, Stop: 42754, Start Num: 49
Candidate Starts for Nebulosus_77:
(24, 43092), (Start: 49 @43032 has 32 MA's), (72, 42954), (77, 42915), (82, 42882), (90, 42852), (91, 42849), (95, 42828), (98, 42795),

Gene: Nedarya_76 Start: 43628, Stop: 43350, Start Num: 49
Candidate Starts for Nedarya_76:
(Start: 49 @43628 has 32 MA's), (72, 43550), (77, 43511), (82, 43478), (95, 43424), (98, 43391),

Gene: Neeharika16_70 Start: 40751, Stop: 40503, Start Num: 56
Candidate Starts for Neeharika16_70:
(10, 40991), (17, 40919), (25, 40838), (36, 40793), (Start: 56 @40751 has 23 MA's), (75, 40676), (82, 40634), (90, 40604), (93, 40592),

Gene: Nerujay_71 Start: 44385, Stop: 44092, Start Num: 40
Candidate Starts for Nerujay_71:
(27, 44412), (Start: 40 @44385 has 223 MA's), (Start: 64 @44340 has 1 MA's), (67, 44310), (75, 44262), (82, 44220),

Gene: Newrala_71 Start: 41291, Stop: 41043, Start Num: 56
Candidate Starts for Newrala_71:
(10, 41531), (17, 41459), (25, 41378), (36, 41333), (Start: 56 @41291 has 23 MA's), (75, 41216), (82, 41174), (90, 41144), (93, 41132),

Gene: Nhonho_65 Start: 43327, Stop: 43034, Start Num: 40
Candidate Starts for Nhonho_65:
(27, 43354), (Start: 40 @43327 has 223 MA's), (Start: 64 @43282 has 1 MA's), (67, 43252), (70, 43240), (75, 43204), (82, 43162),

Gene: NicoleTera_68 Start: 43116, Stop: 42838, Start Num: 42
Candidate Starts for NicoleTera_68:
(26, 43173), (Start: 42 @43116 has 15 MA's), (Start: 61 @43077 has 32 MA's), (77, 43002), (82, 42969), (91, 42936), (93, 42927), (95, 42915), (104, 42855),

Gene: Niza_68 Start: 44472, Stop: 44179, Start Num: 40
Candidate Starts for Niza_68:
(Start: 40 @44472 has 223 MA's), (Start: 64 @44427 has 1 MA's), (67, 44397), (70, 44385), (75, 44349), (82, 44307),

Gene: Norz_65 Start: 44712, Stop: 44419, Start Num: 40
Candidate Starts for Norz_65:
(27, 44739), (Start: 40 @44712 has 223 MA's), (Start: 64 @44667 has 1 MA's), (67, 44637), (75, 44589), (82, 44547),

Gene: NothingSpecial_67 Start: 43318, Stop: 43031, Start Num: 42
Candidate Starts for NothingSpecial_67:
(32, 43354), (Start: 42 @43318 has 15 MA's), (Start: 61 @43279 has 32 MA's), (75, 43204), (77, 43195), (82, 43162), (91, 43129), (93, 43120), (95, 43108),

Gene: Noxious_64 Start: 42193, Stop: 41900, Start Num: 40

Candidate Starts for Noxious_64:

(27, 42220), (Start: 40 @42193 has 223 MA's), (67, 42118), (75, 42070), (82, 42028),

Gene: OKCentral2016_63 Start: 40871, Stop: 40563, Start Num: 33

Candidate Starts for OKCentral2016_63:

(Start: 33 @40871 has 84 MA's), (52, 40829), (62, 40805), (84, 40682), (91, 40658), (102, 40583),

Gene: Odin_71 Start: 42102, Stop: 41860, Start Num: 60

Candidate Starts for Odin_71:

(Start: 60 @42102 has 2 MA's), (75, 42027), (78, 42003), (81, 41988), (82, 41985), (83, 41979), (84, 41976), (91, 41952), (95, 41931),

Gene: Ohno789_67 Start: 43300, Stop: 43007, Start Num: 40

Candidate Starts for Ohno789_67:

(27, 43327), (Start: 40 @43300 has 223 MA's), (Start: 64 @43255 has 1 MA's), (67, 43225), (70, 43213), (75, 43177), (82, 43135),

Gene: OlanP_70 Start: 42431, Stop: 42123, Start Num: 33

Candidate Starts for OlanP_70:

(Start: 33 @42431 has 84 MA's), (Start: 42 @42413 has 15 MA's), (52, 42398), (Start: 59 @42377 has 11 MA's), (66, 42344), (75, 42293), (77, 42284), (80, 42257), (82, 42251), (84, 42242), (91, 42218),

Gene: Ollie_72 Start: 42312, Stop: 42004, Start Num: 33

Candidate Starts for Ollie_72:

(Start: 33 @42312 has 84 MA's), (Start: 42 @42294 has 15 MA's), (52, 42279), (Start: 59 @42258 has 11 MA's), (66, 42225), (75, 42174), (77, 42165), (80, 42138), (82, 42132), (91, 42099),

Gene: Oofda_80 Start: 43721, Stop: 43443, Start Num: 49

Candidate Starts for Oofda_80:

(21, 43796), (Start: 49 @43721 has 32 MA's), (72, 43643), (77, 43604), (82, 43571), (90, 43541), (91, 43538), (95, 43517), (98, 43484),

Gene: Oogway_64 Start: 43355, Stop: 43062, Start Num: 40

Candidate Starts for Oogway_64:

(27, 43382), (Start: 40 @43355 has 223 MA's), (Start: 64 @43310 has 1 MA's), (67, 43280), (75, 43232), (82, 43190),

Gene: P28Green_72 Start: 42444, Stop: 42136, Start Num: 33

Candidate Starts for P28Green_72:

(Start: 33 @42444 has 84 MA's), (Start: 42 @42426 has 15 MA's), (52, 42411), (Start: 59 @42390 has 11 MA's), (66, 42357), (75, 42306), (77, 42297), (80, 42270), (82, 42264), (91, 42231),

Gene: PGHhamlin_74 Start: 42433, Stop: 42125, Start Num: 33

Candidate Starts for PGHhamlin_74:

(Start: 33 @42433 has 84 MA's), (Start: 42 @42415 has 15 MA's), (52, 42400), (Start: 59 @42379 has 11 MA's), (66, 42346), (75, 42295), (77, 42286), (80, 42259), (82, 42253), (91, 42220),

Gene: PSullivan_64 Start: 41080, Stop: 40787, Start Num: 40

Candidate Starts for PSullivan_64:

(27, 41107), (Start: 40 @41080 has 223 MA's), (Start: 64 @41035 has 1 MA's), (67, 41005), (75, 40957), (82, 40915),

Gene: PacerPaul_66 Start: 42858, Stop: 42565, Start Num: 40

Candidate Starts for PacerPaul_66:

(Start: 40 @42858 has 223 MA's), (Start: 64 @42813 has 1 MA's), (67, 42783), (75, 42735), (82, 42693),

Gene: PackMan_72 Start: 42568, Stop: 42290, Start Num: 44

Candidate Starts for PackMan_72:

(Start: 44 @42568 has 21 MA's), (76, 42460), (85, 42406), (87, 42397), (95, 42367),

Gene: PainterBoy_74 Start: 43245, Stop: 42943, Start Num: 29

Candidate Starts for PainterBoy_74:

(14, 43359), (23, 43269), (28, 43251), (Start: 29 @43245 has 1 MA's), (Start: 49 @43203 has 32 MA's), (81, 43065), (95, 43008),

Gene: Papez_68 Start: 44027, Stop: 43731, Start Num: 40

Candidate Starts for Papez_68:

(Start: 40 @44027 has 223 MA's), (75, 43901), (82, 43859),

Gene: Paphu_65 Start: 43166, Stop: 42873, Start Num: 40

Candidate Starts for Paphu_65:

(Start: 40 @43166 has 223 MA's), (Start: 64 @43121 has 1 MA's), (67, 43091), (75, 43043), (82, 43001),

Gene: Paraselene_67 Start: 43668, Stop: 43375, Start Num: 40

Candidate Starts for Paraselene_67:

(Start: 40 @43668 has 223 MA's), (Start: 64 @43623 has 1 MA's), (67, 43593), (75, 43545), (82, 43503),

Gene: Pari_70 Start: 42376, Stop: 42083, Start Num: 40

Candidate Starts for Pari_70:

(27, 42403), (Start: 40 @42376 has 223 MA's), (Start: 64 @42331 has 1 MA's), (67, 42301), (75, 42253), (82, 42211),

Gene: Parliament_67 Start: 44958, Stop: 44665, Start Num: 40

Candidate Starts for Parliament_67:

(Start: 40 @44958 has 223 MA's), (Start: 64 @44913 has 1 MA's), (67, 44883), (70, 44871), (75, 44835), (82, 44793),

Gene: PascalRango_63 Start: 42153, Stop: 41860, Start Num: 40

Candidate Starts for PascalRango_63:

(27, 42180), (Start: 40 @42153 has 223 MA's), (Start: 64 @42108 has 1 MA's), (67, 42078), (75, 42030), (82, 41988),

Gene: PattyP_68 Start: 43888, Stop: 43595, Start Num: 40

Candidate Starts for PattyP_68:

(27, 43915), (Start: 40 @43888 has 223 MA's), (Start: 64 @43843 has 1 MA's), (67, 43813), (75, 43765), (82, 43723),

Gene: Pawn_70 Start: 42208, Stop: 41954, Start Num: 59

Candidate Starts for Pawn_70:

(Start: 33 @42262 has 84 MA's), (Start: 42 @42244 has 15 MA's), (52, 42229), (Start: 59 @42208 has 11 MA's), (66, 42175), (75, 42124), (77, 42115), (80, 42088), (82, 42082), (84, 42073), (91, 42049),

Gene: Payneful_63 Start: 41821, Stop: 41528, Start Num: 40

Candidate Starts for Payneful_63:

(Start: 40 @41821 has 223 MA's), (Start: 64 @41776 has 1 MA's), (67, 41746), (75, 41698), (82, 41656),

Gene: PeaceMeal1_62 Start: 40396, Stop: 40088, Start Num: 33

Candidate Starts for PeaceMeal1_62:

(Start: 33 @40396 has 84 MA's), (52, 40354), (62, 40330), (75, 40258), (84, 40207), (91, 40183), (102, 40108),

Gene: Pelly_68 Start: 44825, Stop: 44532, Start Num: 40

Candidate Starts for Pelly_68:

(27, 44852), (Start: 40 @44825 has 223 MA's), (Start: 64 @44780 has 1 MA's), (75, 44702), (82, 44660),

Gene: Pembroke_72 Start: 42442, Stop: 42134, Start Num: 33

Candidate Starts for Pembroke_72:

(Start: 33 @42442 has 84 MA's), (Start: 42 @42424 has 15 MA's), (52, 42409), (Start: 59 @42388 has 11 MA's), (66, 42355), (75, 42304), (77, 42295), (80, 42268), (82, 42262), (91, 42229),

Gene: Penny1_72 Start: 42445, Stop: 42137, Start Num: 33

Candidate Starts for Penny1_72:

(Start: 33 @42445 has 84 MA's), (Start: 42 @42427 has 15 MA's), (52, 42412), (Start: 59 @42391 has 11 MA's), (66, 42358), (75, 42307), (77, 42298), (80, 42271), (82, 42265), (91, 42232),

Gene: Pepe_64 Start: 41654, Stop: 41361, Start Num: 40

Candidate Starts for Pepe_64:

(Start: 40 @41654 has 223 MA's), (Start: 64 @41609 has 1 MA's), (67, 41579), (75, 41531), (82, 41489),

Gene: Perseus_64 Start: 44104, Stop: 43811, Start Num: 40

Candidate Starts for Perseus_64:

(Start: 40 @44104 has 223 MA's), (Start: 64 @44059 has 1 MA's), (67, 44029), (75, 43981), (82, 43939),

Gene: Peterson_69 Start: 44970, Stop: 44677, Start Num: 40

Candidate Starts for Peterson_69:

(Start: 40 @44970 has 223 MA's), (Start: 64 @44925 has 1 MA's), (67, 44895), (75, 44847), (82, 44805),

Gene: Petp2012_69 Start: 44669, Stop: 44376, Start Num: 40

Candidate Starts for Petp2012_69:

(27, 44696), (Start: 40 @44669 has 223 MA's), (Start: 64 @44624 has 1 MA's), (67, 44594), (75, 44546), (82, 44504),

Gene: Petruchio_68 Start: 42490, Stop: 42197, Start Num: 40

Candidate Starts for Petruchio_68:

(4, 42748), (6, 42712), (27, 42517), (Start: 40 @42490 has 223 MA's), (Start: 64 @42445 has 1 MA's), (67, 42415), (75, 42367), (82, 42325),

Gene: Phaded_66 Start: 43672, Stop: 43412, Start Num: 56

Candidate Starts for Phaded_66:

(17, 43840), (25, 43759), (Start: 56 @43672 has 23 MA's), (77, 43576), (82, 43543), (91, 43510), (93, 43501), (95, 43489),

Gene: Phaeder_73 Start: 42568, Stop: 42290, Start Num: 44

Candidate Starts for Phaeder_73:

(Start: 44 @42568 has 21 MA's), (76, 42460), (85, 42406), (87, 42397), (95, 42367),

Gene: Pharaoh_67 Start: 42614, Stop: 42354, Start Num: 55

Candidate Starts for Pharaoh_67:

(Start: 55 @42614 has 2 MA's), (76, 42521), (77, 42515), (82, 42482), (84, 42473),

Gene: PherrisBueller_67 Start: 41610, Stop: 41317, Start Num: 40

Candidate Starts for PherrisBueller_67:

(27, 41637), (Start: 40 @41610 has 223 MA's), (Start: 64 @41565 has 1 MA's), (67, 41535), (75, 41487), (82, 41445),

Gene: Phillis_77 Start: 42884, Stop: 42600, Start Num: 58

Candidate Starts for Phillis_77:

(Start: 58 @42884 has 9 MA's), (68, 42842), (76, 42800), (77, 42794), (91, 42722), (93, 42713), (94, 42704),

Gene: PhineBark_65 Start: 42788, Stop: 42495, Start Num: 40

Candidate Starts for PhineBark_65:

(Start: 40 @42788 has 223 MA's), (Start: 64 @42743 has 1 MA's), (67, 42713), (75, 42665), (82, 42623),

Gene: PhishRPhriends_68 Start: 41439, Stop: 41131, Start Num: 33

Candidate Starts for PhishRPhriends_68:

(Start: 33 @41439 has 84 MA's), (Start: 42 @41421 has 15 MA's), (52, 41406), (Start: 59 @41385 has 11 MA's), (66, 41352), (75, 41301), (77, 41292), (80, 41265), (82, 41259), (84, 41250), (91, 41226),

Gene: Phlei_58 Start: 41698, Stop: 41450, Start Num: 52

Candidate Starts for Phlei_58:

(52, 41698), (Start: 56 @41689 has 23 MA's), (Start: 58 @41683 has 9 MA's), (67, 41653), (74, 41638), (75, 41614), (77, 41605), (79, 41581), (82, 41572), (85, 41557), (91, 41539), (95, 41518),

Gene: Phlippers_61 Start: 42632, Stop: 42339, Start Num: 40

Candidate Starts for Phlippers_61:

(27, 42659), (Start: 40 @42632 has 223 MA's), (Start: 64 @42587 has 1 MA's), (67, 42557), (70, 42545), (75, 42509), (82, 42467),

Gene: Phoebe_73 Start: 42380, Stop: 42126, Start Num: 59

Candidate Starts for Phoebe_73:

(Start: 33 @42434 has 84 MA's), (Start: 42 @42416 has 15 MA's), (52, 42401), (Start: 59 @42380 has 11 MA's), (66, 42347), (75, 42296), (77, 42287), (80, 42260), (82, 42254), (91, 42221),

Gene: Phonnegut_73 Start: 42638, Stop: 42360, Start Num: 44

Candidate Starts for Phonnegut_73:

(Start: 44 @42638 has 21 MA's), (76, 42530), (85, 42476), (87, 42467), (95, 42437),

Gene: Phoxy_72 Start: 42466, Stop: 42158, Start Num: 33

Candidate Starts for Phoxy_72:

(Start: 33 @42466 has 84 MA's), (Start: 42 @42448 has 15 MA's), (52, 42433), (Start: 59 @42412 has 11 MA's), (66, 42379), (75, 42328), (77, 42319), (80, 42292), (82, 42286), (91, 42253),

Gene: Phranny_72 Start: 42190, Stop: 41936, Start Num: 59

Candidate Starts for Phranny_72:

(52, 42211), (Start: 59 @42190 has 11 MA's), (66, 42157), (75, 42106), (77, 42097), (80, 42070), (82, 42064), (84, 42055), (91, 42031),

Gene: PhrostyMug_66 Start: 44118, Stop: 43825, Start Num: 40

Candidate Starts for PhrostyMug_66:

(Start: 40 @44118 has 223 MA's), (Start: 64 @44073 has 1 MA's), (67, 44043), (75, 43995), (82, 43953),

Gene: PinkPlastic_65 Start: 42426, Stop: 42133, Start Num: 40

Candidate Starts for PinkPlastic_65:

(27, 42453), (Start: 40 @42426 has 223 MA's), (Start: 64 @42381 has 1 MA's), (67, 42351), (75, 42303), (82, 42261),

Gene: Pinto_66 Start: 42379, Stop: 42086, Start Num: 40

Candidate Starts for Pinto_66:

(4, 42637), (6, 42601), (27, 42406), (Start: 40 @42379 has 223 MA's), (Start: 64 @42334 has 1 MA's), (67, 42304), (75, 42256), (82, 42214),

Gene: Pioneer_73 Start: 42638, Stop: 42360, Start Num: 44

Candidate Starts for Pioneer_73:

(Start: 44 @42638 has 21 MA's), (76, 42530), (85, 42476), (87, 42467), (95, 42437),

Gene: Pippin_65 Start: 41805, Stop: 41512, Start Num: 40

Candidate Starts for Pippin_65:

(27, 41832), (Start: 40 @41805 has 223 MA's), (Start: 64 @41760 has 1 MA's), (67, 41730), (75, 41682), (82, 41640),

Gene: Piro94_70 Start: 43019, Stop: 42780, Start Num: 61

Candidate Starts for Piro94_70:

(Start: 61 @43019 has 32 MA's), (67, 42992), (68, 42989), (77, 42944), (82, 42911), (91, 42878), (93, 42869), (95, 42857),

Gene: Pita2_67 Start: 42577, Stop: 42284, Start Num: 40

Candidate Starts for Pita2_67:

(27, 42604), (Start: 40 @42577 has 223 MA's), (Start: 64 @42532 has 1 MA's), (67, 42502), (75, 42454), (82, 42412),

Gene: Pmask_70 Start: 41287, Stop: 41039, Start Num: 56

Candidate Starts for Pmask_70:

(10, 41527), (17, 41455), (25, 41374), (36, 41329), (Start: 56 @41287 has 23 MA's), (75, 41212), (82, 41170), (90, 41140), (93, 41128),

Gene: Polyphemus_73 Start: 41677, Stop: 41429, Start Num: 56

Candidate Starts for Polyphemus_73:

(10, 41917), (17, 41845), (25, 41764), (36, 41719), (Start: 56 @41677 has 23 MA's), (75, 41602), (82, 41560), (90, 41530), (93, 41518),

Gene: Poompha_61 Start: 40394, Stop: 40086, Start Num: 33

Candidate Starts for Poompha_61:

(Start: 33 @40394 has 84 MA's), (52, 40352), (62, 40328), (75, 40256), (84, 40205), (91, 40181), (102, 40106),

Gene: PotatoSplit_73 Start: 42445, Stop: 42137, Start Num: 33

Candidate Starts for PotatoSplit_73:

(Start: 33 @42445 has 84 MA's), (Start: 42 @42427 has 15 MA's), (52, 42412), (Start: 59 @42391 has 11 MA's), (66, 42358), (75, 42307), (77, 42298), (80, 42271), (82, 42265), (91, 42232),

Gene: PowerRanger_65 Start: 43852, Stop: 43559, Start Num: 40

Candidate Starts for PowerRanger_65:

(27, 43879), (Start: 40 @43852 has 223 MA's), (Start: 64 @43807 has 1 MA's), (75, 43729), (82, 43687),

Gene: Priamo_73 Start: 41142, Stop: 40894, Start Num: 56

Candidate Starts for Priamo_73:

(10, 41382), (17, 41310), (25, 41229), (36, 41184), (Start: 56 @41142 has 23 MA's), (75, 41067), (82, 41025), (90, 40995), (93, 40983),

Gene: Priya_71 Start: 42365, Stop: 42087, Start Num: 44

Candidate Starts for Priya_71:

(Start: 44 @42365 has 21 MA's), (76, 42257), (85, 42203), (87, 42194), (95, 42164),

Gene: ProMouse_67 Start: 43095, Stop: 42802, Start Num: 40

Candidate Starts for ProMouse_67:

(27, 43122), (Start: 40 @43095 has 223 MA's), (Start: 64 @43050 has 1 MA's), (67, 43020), (75, 42972), (82, 42930),

Gene: Prudy_64 Start: 43039, Stop: 42800, Start Num: 61

Candidate Starts for Prudy_64:

(Start: 61 @43039 has 32 MA's), (67, 43012), (77, 42964), (82, 42931), (91, 42898), (93, 42889), (95, 42877),

Gene: Pukovnik_67 Start: 43337, Stop: 43080, Start Num: 56

Candidate Starts for Pukovnik_67:

(17, 43505), (Start: 56 @43337 has 23 MA's), (77, 43244), (82, 43211), (91, 43178), (93, 43169), (95, 43157),

Gene: Puppet_63 Start: 43810, Stop: 43517, Start Num: 40

Candidate Starts for Puppet_63:

(30, 43846), (Start: 40 @43810 has 223 MA's), (Start: 64 @43765 has 1 MA's), (67, 43735), (75, 43687), (82, 43645),

Gene: PurpleHaze_71 Start: 42257, Stop: 41949, Start Num: 33

Candidate Starts for PurpleHaze_71:

(Start: 33 @42257 has 84 MA's), (Start: 42 @42239 has 15 MA's), (52, 42224), (Start: 59 @42203 has 11 MA's), (66, 42170), (75, 42119), (77, 42110), (80, 42083), (82, 42077), (91, 42044),

Gene: QTRlifeCrisis_67 Start: 43106, Stop: 42813, Start Num: 40

Candidate Starts for QTRlifeCrisis_67:

(27, 43133), (Start: 40 @43106 has 223 MA's), (Start: 64 @43061 has 1 MA's), (67, 43031), (75, 42983), (82, 42941),

Gene: Qobbit_71 Start: 42327, Stop: 42049, Start Num: 44

Candidate Starts for Qobbit_71:

(Start: 44 @42327 has 21 MA's), (76, 42219), (85, 42165), (87, 42156), (95, 42126),

Gene: Rachaly_67 Start: 42676, Stop: 42434, Start Num: 61

Candidate Starts for Rachaly_67:

(Start: 61 @42676 has 32 MA's), (67, 42649), (77, 42601), (82, 42568), (91, 42535), (93, 42526),

Gene: Rahalelujah_72 Start: 42339, Stop: 42037, Start Num: 35

Candidate Starts for Rahalelujah_72:

(9, 42549), (Start: 35 @42339 has 5 MA's), (82, 42177), (95, 42123),

Gene: Raid_65 Start: 42932, Stop: 42639, Start Num: 40

Candidate Starts for Raid_65:

(27, 42959), (Start: 40 @42932 has 223 MA's), (57, 42899), (Start: 64 @42887 has 1 MA's), (67, 42857), (75, 42809), (82, 42767),

Gene: Rajelicia_66 Start: 44209, Stop: 43916, Start Num: 40

Candidate Starts for Rajelicia_66:

(27, 44236), (Start: 40 @44209 has 223 MA's), (Start: 64 @44164 has 1 MA's), (67, 44134), (75, 44086), (82, 44044),

Gene: Ravana_82 Start: 45133, Stop: 44855, Start Num: 49

Candidate Starts for Ravana_82:

(21, 45208), (Start: 49 @45133 has 32 MA's), (72, 45055), (77, 45016), (82, 44983), (90, 44953), (91, 44950), (95, 44929),

Gene: ReMo_78 Start: 43472, Stop: 43194, Start Num: 49

Candidate Starts for ReMo_78:

(24, 43532), (Start: 49 @43472 has 32 MA's), (72, 43394), (77, 43355), (82, 43322), (90, 43292), (91, 43289), (95, 43268), (98, 43235),

Gene: Reba_71 Start: 41863, Stop: 41609, Start Num: 59

Candidate Starts for Reba_71:

(52, 41884), (Start: 59 @41863 has 11 MA's), (66, 41830), (75, 41779), (77, 41770), (80, 41743), (82, 41737), (84, 41728), (91, 41704),

Gene: Rebeuca_65 Start: 41710, Stop: 41402, Start Num: 33

Candidate Starts for Rebeuca_65:

(Start: 33 @41710 has 84 MA's), (39, 41692), (52, 41668), (62, 41644), (84, 41521), (91, 41497), (102, 41422),

Gene: RedRock_70 Start: 43508, Stop: 43269, Start Num: 61

Candidate Starts for RedRock_70:

(Start: 61 @43508 has 32 MA's), (75, 43442), (77, 43433), (82, 43400), (91, 43367), (93, 43358), (95, 43346),

Gene: Refuge_68 Start: 43722, Stop: 43405, Start Num: 33

Candidate Starts for Refuge_68:

(12, 43860), (18, 43821), (Start: 31 @43725 has 1 MA's), (Start: 33 @43722 has 84 MA's), (Start: 55 @43668 has 2 MA's), (67, 43617), (75, 43578), (77, 43569), (82, 43536),

Gene: Remus_81 Start: 43800, Stop: 43522, Start Num: 49

Candidate Starts for Remus_81:

(21, 43875), (Start: 49 @43800 has 32 MA's), (72, 43722), (77, 43683), (82, 43650), (90, 43620), (91, 43617), (95, 43596), (98, 43563),

Gene: RhynO_64 Start: 41351, Stop: 41043, Start Num: 33

Candidate Starts for RhynO_64:

(Start: 33 @41351 has 84 MA's), (52, 41309), (62, 41285), (85, 41156), (91, 41138), (102, 41063),

Gene: Rhynn_62 Start: 42109, Stop: 41816, Start Num: 40

Candidate Starts for Rhynn_62:

(Start: 40 @42109 has 223 MA's), (Start: 64 @42064 has 1 MA's), (67, 42034), (75, 41986), (82, 41944),

Gene: RidgeCB_66 Start: 42526, Stop: 42233, Start Num: 40

Candidate Starts for RidgeCB_66:

(27, 42553), (Start: 40 @42526 has 223 MA's), (Start: 64 @42481 has 1 MA's), (67, 42451), (75, 42403), (82, 42361),

Gene: Ringer_69 Start: 44632, Stop: 44339, Start Num: 40

Candidate Starts for Ringer_69:

(27, 44659), (Start: 40 @44632 has 223 MA's), (Start: 64 @44587 has 1 MA's), (67, 44557), (75, 44509), (82, 44467),

Gene: Rohr_67 Start: 43844, Stop: 43551, Start Num: 40

Candidate Starts for Rohr_67:

(27, 43871), (Start: 40 @43844 has 223 MA's), (Start: 64 @43799 has 1 MA's), (67, 43769), (75, 43721), (82, 43679),

Gene: Rosalind_78 Start: 43296, Stop: 43018, Start Num: 49

Candidate Starts for Rosalind_78:

(24, 43356), (Start: 49 @43296 has 32 MA's), (72, 43218), (77, 43179), (82, 43146), (90, 43116), (91, 43113), (95, 43092), (98, 43059),

Gene: Rowdy_66 Start: 41423, Stop: 41115, Start Num: 33

Candidate Starts for Rowdy_66:

(Start: 33 @41423 has 84 MA's), (52, 41381), (62, 41357), (75, 41285), (85, 41228), (91, 41210), (102, 41135),

Gene: Rubeus_65 Start: 40346, Stop: 40053, Start Num: 40

Candidate Starts for Rubeus_65:

(27, 40373), (Start: 40 @40346 has 223 MA's), (Start: 64 @40301 has 1 MA's), (67, 40271), (75, 40223), (82, 40181),

Gene: Rufus_68 Start: 43030, Stop: 42737, Start Num: 40

Candidate Starts for Rufus_68:

(27, 43057), (Start: 40 @43030 has 223 MA's), (Start: 64 @42985 has 1 MA's), (67, 42955), (75, 42907), (82, 42865),

Gene: Rummer_71 Start: 42469, Stop: 42161, Start Num: 33

Candidate Starts for Rummer_71:

(Start: 33 @42469 has 84 MA's), (Start: 42 @42451 has 15 MA's), (52, 42436), (Start: 59 @42415 has 11 MA's), (66, 42382), (75, 42331), (77, 42322), (80, 42295), (82, 42289), (91, 42256),

Gene: Ruotula_72 Start: 45133, Stop: 44840, Start Num: 40

Candidate Starts for Ruotula_72:

(27, 45160), (Start: 40 @45133 has 223 MA's), (Start: 64 @45088 has 1 MA's), (67, 45058), (75, 45010), (82, 44968),

Gene: Rutherford_67 Start: 43925, Stop: 43632, Start Num: 40

Candidate Starts for Rutherford_67:

(Start: 40 @43925 has 223 MA's), (Start: 64 @43880 has 1 MA's), (75, 43802), (82, 43760),

Gene: RyeScarlet_74 Start: 42613, Stop: 42335, Start Num: 44

Candidate Starts for RyeScarlet_74:

(Start: 44 @42613 has 21 MA's), (76, 42505), (85, 42451), (87, 42442), (95, 42412),

Gene: STLscum_75 Start: 44847, Stop: 44554, Start Num: 40

Candidate Starts for STLscum_75:

(Start: 40 @44847 has 223 MA's), (Start: 64 @44802 has 1 MA's), (67, 44772), (75, 44724), (82, 44682),

Gene: Sabia_70 Start: 42432, Stop: 42142, Start Num: 42

Candidate Starts for Sabia_70:

(Start: 42 @42432 has 15 MA's), (52, 42417), (Start: 59 @42396 has 11 MA's), (66, 42363), (75, 42312), (77, 42303), (80, 42276), (82, 42270), (91, 42237),

Gene: Sabinator_70 Start: 42440, Stop: 42132, Start Num: 33

Candidate Starts for Sabinator_70:

(Start: 33 @42440 has 84 MA's), (Start: 42 @42422 has 15 MA's), (52, 42407), (Start: 59 @42386 has 11 MA's), (66, 42353), (75, 42302), (77, 42293), (80, 42266), (82, 42260), (91, 42227),

Gene: Sachima_69 Start: 42594, Stop: 42316, Start Num: 44

Candidate Starts for Sachima_69:

(Start: 44 @42594 has 21 MA's), (76, 42486), (85, 42432), (87, 42423), (95, 42393),

Gene: Sagefire_67 Start: 44059, Stop: 43766, Start Num: 40

Candidate Starts for Sagefire_67:

(Start: 40 @44059 has 223 MA's), (Start: 64 @44014 has 1 MA's), (67, 43984), (75, 43936), (82, 43894),

Gene: Sandaddy_63 Start: 42327, Stop: 42034, Start Num: 40

Candidate Starts for Sandaddy_63:

(27, 42354), (Start: 40 @42327 has 223 MA's), (Start: 64 @42282 has 1 MA's), (67, 42252), (75, 42204), (82, 42162),

Gene: Sanya_62 Start: 43541, Stop: 43293, Start Num: 64

Candidate Starts for Sanya_62:

(27, 43613), (Start: 40 @43586 has 223 MA's), (Start: 64 @43541 has 1 MA's), (67, 43511), (75, 43463), (82, 43421),

Gene: SarFire_65 Start: 42573, Stop: 42280, Start Num: 40

Candidate Starts for SarFire_65:

(27, 42600), (Start: 40 @42573 has 223 MA's), (Start: 64 @42528 has 1 MA's), (75, 42450), (82, 42408),

Gene: Scherzo_72 Start: 42857, Stop: 42579, Start Num: 44

Candidate Starts for Scherzo_72:

(Start: 44 @42857 has 21 MA's), (76, 42749), (85, 42695), (87, 42686), (95, 42656),

Gene: Scowl_67 Start: 42499, Stop: 42206, Start Num: 40

Candidate Starts for Scowl_67:

(Start: 40 @42499 has 223 MA's), (Start: 64 @42454 has 1 MA's), (67, 42424), (75, 42376), (82, 42334),

Gene: Severus_62 Start: 40394, Stop: 40086, Start Num: 33

Candidate Starts for Severus_62:

(Start: 33 @40394 has 84 MA's), (52, 40352), (62, 40328), (75, 40256), (84, 40205), (91, 40181), (102, 40106),

Gene: Shapes_66 Start: 41423, Stop: 41115, Start Num: 33

Candidate Starts for Shapes_66:

(Start: 33 @41423 has 84 MA's), (52, 41381), (62, 41357), (75, 41285), (85, 41228), (91, 41210), (102, 41135),

Gene: ShayRa_80 Start: 43325, Stop: 43047, Start Num: 49

Candidate Starts for ShayRa_80:

(24, 43385), (Start: 49 @43325 has 32 MA's), (72, 43247), (77, 43208), (82, 43175), (90, 43145), (91, 43142), (95, 43121), (98, 43088),

Gene: SheaKeira_67 Start: 41628, Stop: 41359, Start Num: 50

Candidate Starts for SheaKeira_67:

(Start: 50 @41628 has 2 MA's), (75, 41532), (76, 41529), (85, 41475), (87, 41466), (95, 41436),

Gene: ShortQueendom_59 Start: 40038, Stop: 39745, Start Num: 40

Candidate Starts for ShortQueendom_59:

(27, 40065), (Start: 40 @40038 has 223 MA's), (Start: 64 @39993 has 1 MA's), (67, 39963), (75, 39915), (82, 39873),

Gene: Sibs6_68 Start: 41229, Stop: 40936, Start Num: 40

Candidate Starts for Sibs6_68:

(27, 41256), (Start: 40 @41229 has 223 MA's), (Start: 64 @41184 has 1 MA's), (67, 41154), (75, 41106), (82, 41064),

Gene: SkiPole_74 Start: 44120, Stop: 43827, Start Num: 40

Candidate Starts for SkiPole_74:

(Start: 40 @44120 has 223 MA's), (Start: 64 @44075 has 1 MA's), (67, 44045), (75, 43997), (82, 43955),

Gene: Sknot_71 Start: 43051, Stop: 42812, Start Num: 61

Candidate Starts for Sknot_71:

(Start: 42 @43090 has 15 MA's), (Start: 61 @43051 has 32 MA's), (67, 43024), (68, 43021), (77, 42976), (82, 42943), (91, 42910), (93, 42901), (95, 42889), (103, 42832),

Gene: Slagathor_68 Start: 44595, Stop: 44302, Start Num: 40

Candidate Starts for Slagathor_68:

(27, 44622), (Start: 40 @44595 has 223 MA's), (Start: 64 @44550 has 1 MA's), (67, 44520), (75, 44472), (82, 44430),

Gene: Smairt_68 Start: 45112, Stop: 44819, Start Num: 40

Candidate Starts for Smairt_68:

(Start: 40 @45112 has 223 MA's), (Start: 64 @45067 has 1 MA's), (67, 45037), (75, 44989), (82, 44947),

Gene: Smeagol_68 Start: 44353, Stop: 44060, Start Num: 40

Candidate Starts for Smeagol_68:

(Start: 40 @44353 has 223 MA's), (Start: 64 @44308 has 1 MA's), (67, 44278), (75, 44230), (82, 44188),

Gene: Snazzy_63 Start: 41494, Stop: 41201, Start Num: 40

Candidate Starts for Snazzy_63:

(27, 41521), (Start: 40 @41494 has 223 MA's), (Start: 64 @41449 has 1 MA's), (67, 41419), (75, 41371), (82, 41329),

Gene: Snickers_72 Start: 42361, Stop: 42107, Start Num: 59

Candidate Starts for Snickers_72:

(Start: 42 @42397 has 15 MA's), (52, 42382), (Start: 59 @42361 has 11 MA's), (66, 42328), (75, 42277), (77, 42268), (80, 42241), (82, 42235), (91, 42202),

Gene: SoYo_69 Start: 42353, Stop: 42045, Start Num: 33

Candidate Starts for SoYo_69:

(Start: 33 @42353 has 84 MA's), (Start: 42 @42335 has 15 MA's), (52, 42320), (Start: 59 @42299 has 11 MA's), (66, 42266), (75, 42215), (77, 42206), (80, 42179), (82, 42173), (91, 42140),

Gene: SoilDragon_71 Start: 41889, Stop: 41581, Start Num: 33

Candidate Starts for SoilDragon_71:

(Start: 33 @41889 has 84 MA's), (Start: 42 @41871 has 15 MA's), (52, 41856), (Start: 59 @41835 has 11 MA's), (66, 41802), (75, 41751), (77, 41742), (80, 41715), (82, 41709), (84, 41700), (91, 41676),

Gene: Solon_64 Start: 42070, Stop: 41777, Start Num: 40

Candidate Starts for Solon_64:

(27, 42097), (Start: 40 @42070 has 223 MA's), (Start: 64 @42025 has 1 MA's), (67, 41995), (70, 41983), (75, 41947), (82, 41905),

Gene: SororFago_72 Start: 43648, Stop: 43376, Start Num: 49

Candidate Starts for SororFago_72:

(3, 43936), (38, 43669), (Start: 49 @43648 has 32 MA's), (76, 43546), (81, 43510), (82, 43507), (93, 43465), (95, 43453), (101, 43402),

Gene: Sorpresa_64 Start: 42329, Stop: 42036, Start Num: 40

Candidate Starts for Sorpresa_64:

(27, 42356), (Start: 40 @42329 has 223 MA's), (Start: 64 @42284 has 1 MA's), (67, 42254), (75, 42206), (82, 42164),

Gene: Soshari_74 Start: 42465, Stop: 42157, Start Num: 33

Candidate Starts for Soshari_74:

(Start: 33 @42465 has 84 MA's), (Start: 42 @42447 has 15 MA's), (52, 42432), (Start: 59 @42411 has 11 MA's), (66, 42378), (75, 42327), (77, 42318), (80, 42291), (82, 42285), (91, 42252),

Gene: Soups_80 Start: 43589, Stop: 43311, Start Num: 49

Candidate Starts for Soups_80:

(21, 43664), (Start: 49 @43589 has 32 MA's), (72, 43511), (77, 43472), (82, 43439), (90, 43409), (91, 43406), (95, 43385), (98, 43352),

Gene: Spike509_72 Start: 42466, Stop: 42158, Start Num: 33

Candidate Starts for Spike509_72:

(Start: 33 @42466 has 84 MA's), (Start: 42 @42448 has 15 MA's), (52, 42433), (Start: 59 @42412 has 11 MA's), (66, 42379), (75, 42328), (77, 42319), (80, 42292), (82, 42286), (91, 42253),

Gene: SpikeBT_64 Start: 42693, Stop: 42400, Start Num: 40

Candidate Starts for SpikeBT_64:

(27, 42720), (Start: 40 @42693 has 223 MA's), (Start: 64 @42648 has 1 MA's), (67, 42618), (70, 42606), (75, 42570), (82, 42528),

Gene: Spouty_71 Start: 42364, Stop: 42086, Start Num: 44

Candidate Starts for Spouty_71:

(Start: 44 @42364 has 21 MA's), (76, 42256), (85, 42202), (87, 42193), (95, 42163),

Gene: Squee_69 Start: 42726, Stop: 42433, Start Num: 40

Candidate Starts for Squee_69:

(Start: 40 @42726 has 223 MA's), (Start: 64 @42681 has 1 MA's), (67, 42651), (75, 42603), (82, 42561),

Gene: Stagni_69 Start: 42390, Stop: 42136, Start Num: 59

Candidate Starts for Stagni_69:

(Start: 33 @42444 has 84 MA's), (Start: 42 @42426 has 15 MA's), (52, 42411), (Start: 59 @42390 has 11 MA's), (66, 42357), (75, 42306), (77, 42297), (80, 42270), (82, 42264), (91, 42231),

Gene: Steamy_66 Start: 42070, Stop: 41750, Start Num: 31

Candidate Starts for Steamy_66:

(16, 42181), (Start: 31 @42070 has 1 MA's), (Start: 55 @42013 has 2 MA's), (77, 41914), (82, 41881), (85, 41866),

Gene: StepMih_71 Start: 42435, Stop: 42127, Start Num: 33

Candidate Starts for StepMih_71:

(Start: 33 @42435 has 84 MA's), (Start: 42 @42417 has 15 MA's), (52, 42402), (Start: 59 @42381 has 11 MA's), (66, 42348), (75, 42297), (77, 42288), (80, 42261), (82, 42255), (91, 42222),

Gene: StewieG_60 Start: 38877, Stop: 38584, Start Num: 40

Candidate Starts for StewieG_60:

(4, 39135), (6, 39099), (27, 38904), (Start: 40 @38877 has 223 MA's), (Start: 64 @38832 has 1 MA's), (67, 38802), (75, 38754), (82, 38712),

Gene: StrongArm_64 Start: 43443, Stop: 43150, Start Num: 40

Candidate Starts for StrongArm_64:

(27, 43470), (Start: 40 @43443 has 223 MA's), (Start: 64 @43398 has 1 MA's), (67, 43368), (75, 43320), (82, 43278),

Gene: Strosahl_81 Start: 43800, Stop: 43522, Start Num: 49

Candidate Starts for Strosahl_81:

(21, 43875), (Start: 49 @43800 has 32 MA's), (72, 43722), (77, 43683), (82, 43650), (90, 43620), (91, 43617), (95, 43596), (98, 43563),

Gene: Sumter_62 Start: 42684, Stop: 42391, Start Num: 40

Candidate Starts for Sumter_62:

(27, 42711), (Start: 40 @42684 has 223 MA's), (Start: 64 @42639 has 1 MA's), (67, 42609), (75, 42561), (82, 42519),

Gene: Sunhee_72 Start: 41700, Stop: 41431, Start Num: 49

Candidate Starts for Sunhee_72:

(3, 41988), (38, 41721), (Start: 49 @41700 has 32 MA's), (76, 41601), (81, 41565), (82, 41562), (87, 41538), (93, 41520), (95, 41508), (101, 41457),

Gene: Sunshine924_71 Start: 43388, Stop: 43095, Start Num: 40

Candidate Starts for Sunshine924_71:

(Start: 40 @43388 has 223 MA's), (Start: 64 @43343 has 1 MA's), (67, 43313), (75, 43265), (82, 43223),

Gene: SuperAwesome_71 Start: 41329, Stop: 41081, Start Num: 56

Candidate Starts for SuperAwesome_71:

(10, 41569), (17, 41497), (25, 41416), (36, 41371), (Start: 56 @41329 has 23 MA's), (75, 41254), (82, 41212), (90, 41182), (93, 41170),

Gene: SuperCallie99_68 Start: 41171, Stop: 40923, Start Num: 56

Candidate Starts for SuperCallie99_68:

(10, 41411), (17, 41339), (25, 41258), (36, 41213), (Start: 56 @41171 has 23 MA's), (75, 41096), (82, 41054), (90, 41024), (93, 41012),

Gene: Superchunk_72 Start: 41714, Stop: 41472, Start Num: 60

Candidate Starts for Superchunk_72:

(Start: 60 @41714 has 2 MA's), (78, 41615), (81, 41600), (82, 41597), (83, 41591), (84, 41588), (91, 41564), (95, 41543),

Gene: SwirlSquare_76 Start: 42463, Stop: 42188, Start Num: 47

Candidate Starts for SwirlSquare_76:

(2, 42814), (8, 42703), (20, 42577), (Start: 47 @42463 has 2 MA's), (52, 42454), (67, 42394), (82, 42313), (91, 42280),

Gene: SwissCheese_69 Start: 42912, Stop: 42619, Start Num: 40

Candidate Starts for SwissCheese_69:

(27, 42939), (Start: 40 @42912 has 223 MA's), (Start: 64 @42867 has 1 MA's), (67, 42837), (75, 42789), (82, 42747),

Gene: Switzer_67 Start: 44218, Stop: 43925, Start Num: 40

Candidate Starts for Switzer_67:

(Start: 40 @44218 has 223 MA's), (Start: 64 @44173 has 1 MA's), (67, 44143), (75, 44095), (82, 44053),

Gene: Switzerland_79 Start: 43464, Stop: 43186, Start Num: 49

Candidate Starts for Switzerland_79:

(24, 43524), (Start: 49 @43464 has 32 MA's), (72, 43386), (77, 43347), (82, 43314), (90, 43284), (91, 43281), (95, 43260), (98, 43227),

Gene: Swole_67 Start: 42487, Stop: 42194, Start Num: 40

Candidate Starts for Swole_67:

(27, 42514), (Start: 40 @42487 has 223 MA's), (Start: 64 @42442 has 1 MA's), (67, 42412), (75, 42364), (82, 42322),

Gene: SydNat_65 Start: 41870, Stop: 41619, Start Num: 58

Candidate Starts for SydNat_65:

(Start: 58 @41870 has 9 MA's), (Start: 65 @41858 has 2 MA's), (75, 41786), (77, 41777), (78, 41762), (93, 41699), (98, 41654), (102, 41633), (104, 41627),

Gene: Target_69 Start: 42804, Stop: 42511, Start Num: 40

Candidate Starts for Target_69:

(Start: 40 @42804 has 223 MA's), (Start: 64 @42759 has 1 MA's), (67, 42729), (75, 42681), (82, 42639),

Gene: TarsusIV_68 Start: 43024, Stop: 42785, Start Num: 61

Candidate Starts for TarsusIV_68:

(Start: 42 @43063 has 15 MA's), (Start: 61 @43024 has 32 MA's), (68, 42994), (77, 42949), (82, 42916), (91, 42883), (93, 42874), (95, 42862), (104, 42802),

Gene: Tasp14_69 Start: 44447, Stop: 44154, Start Num: 40

Candidate Starts for Tasp14_69:

(Start: 40 @44447 has 223 MA's), (Start: 64 @44402 has 1 MA's), (67, 44372), (75, 44324), (82, 44282),

Gene: Taurus_73 Start: 42441, Stop: 42133, Start Num: 33

Candidate Starts for Taurus_73:

(Start: 33 @42441 has 84 MA's), (Start: 42 @42423 has 15 MA's), (52, 42408), (Start: 59 @42387 has 11 MA's), (66, 42354), (75, 42303), (77, 42294), (80, 42267), (82, 42261), (91, 42228),

Gene: Teodoridan_65 Start: 41810, Stop: 41517, Start Num: 40

Candidate Starts for Teodoridan_65:

(Start: 40 @41810 has 223 MA's), (Start: 64 @41765 has 1 MA's), (67, 41735), (75, 41687), (82, 41645),

Gene: Terrific_71 Start: 43025, Stop: 42786, Start Num: 61

Candidate Starts for Terrific_71:

(Start: 61 @43025 has 32 MA's), (67, 42998), (68, 42995), (77, 42950), (82, 42917), (91, 42884), (93, 42875), (95, 42863),

Gene: Theia_64 Start: 41988, Stop: 41749, Start Num: 65

Candidate Starts for Theia_64:

(Start: 58 @42000 has 9 MA's), (Start: 65 @41988 has 2 MA's), (75, 41916), (77, 41907), (78, 41892), (93, 41829), (98, 41784), (102, 41763),

Gene: TheloniousMonk_70 Start: 45181, Stop: 44888, Start Num: 40

Candidate Starts for TheloniousMonk_70:

(27, 45208), (Start: 40 @45181 has 223 MA's), (Start: 64 @45136 has 1 MA's), (67, 45106), (75, 45058), (82, 45016),

Gene: Thor_65 Start: 41931, Stop: 41638, Start Num: 40

Candidate Starts for Thor_65:

(27, 41958), (Start: 40 @41931 has 223 MA's), (Start: 64 @41886 has 1 MA's), (75, 41808), (82, 41766),

Gene: Tiffany_71 Start: 42309, Stop: 42019, Start Num: 42

Candidate Starts for Tiffany_71:

(Start: 42 @42309 has 15 MA's), (52, 42294), (Start: 59 @42273 has 11 MA's), (66, 42240), (75, 42189), (77, 42180), (80, 42153), (82, 42147), (91, 42114),

Gene: TinyPebbles_71 Start: 42471, Stop: 42163, Start Num: 33

Candidate Starts for TinyPebbles_71:

(7, 42678), (Start: 33 @42471 has 84 MA's), (Start: 40 @42459 has 223 MA's), (Start: 42 @42453 has 15 MA's), (52, 42438), (Start: 59 @42417 has 11 MA's), (66, 42384), (75, 42333), (77, 42324), (80, 42297), (82, 42291), (91, 42258),

Gene: Toaka_73 Start: 42844, Stop: 42566, Start Num: 45

Candidate Starts for Toaka_73:

(Start: 45 @42844 has 1 MA's), (76, 42739), (95, 42646),

Gene: Topanga_61 Start: 41190, Stop: 40882, Start Num: 33

Candidate Starts for Topanga_61:

(Start: 33 @41190 has 84 MA's), (52, 41148), (62, 41124), (84, 41001), (85, 40995), (91, 40977), (102, 40902),

Gene: Topgun_63 Start: 41557, Stop: 41264, Start Num: 40

Candidate Starts for Topgun_63:

(27, 41584), (Start: 40 @41557 has 223 MA's), (Start: 64 @41512 has 1 MA's), (67, 41482), (75, 41434), (82, 41392),

Gene: Tote_62 Start: 39754, Stop: 39461, Start Num: 40

Candidate Starts for Tote_62:

(27, 39781), (Start: 40 @39754 has 223 MA's), (Start: 64 @39709 has 1 MA's), (67, 39679), (75, 39631), (82, 39589),

Gene: Traft412_69 Start: 43542, Stop: 43249, Start Num: 40

Candidate Starts for Traft412_69:

(Start: 40 @43542 has 223 MA's), (Start: 64 @43497 has 1 MA's), (67, 43467), (75, 43419), (82, 43377),

Gene: Treddle_66 Start: 43796, Stop: 43503, Start Num: 40

Candidate Starts for Treddle_66:

(27, 43823), (Start: 40 @43796 has 223 MA's), (Start: 64 @43751 has 1 MA's), (67, 43721), (70, 43709), (75, 43673), (82, 43631),

Gene: Trike_61 Start: 40401, Stop: 40093, Start Num: 33

Candidate Starts for Trike_61:

(Start: 33 @40401 has 84 MA's), (52, 40359), (62, 40335), (75, 40263), (84, 40212), (91, 40188), (102, 40113),

Gene: Tripl3t_70 Start: 45279, Stop: 44986, Start Num: 40

Candidate Starts for Tripl3t_70:

(Start: 40 @45279 has 223 MA's), (Start: 64 @45234 has 1 MA's), (67, 45204), (70, 45192), (75, 45156), (82, 45114),

Gene: Tristan_67 Start: 43510, Stop: 43250, Start Num: 56

Candidate Starts for Tristan_67:

(Start: 56 @43510 has 23 MA's), (77, 43414), (82, 43381), (91, 43348), (93, 43339), (95, 43327),

Gene: Trixie_69 Start: 43058, Stop: 42813, Start Num: 56

Candidate Starts for Trixie_69:

(Start: 55 @43064 has 2 MA's), (Start: 56 @43058 has 23 MA's), (67, 43025), (77, 42977), (82, 42944), (91, 42911), (93, 42902), (95, 42890), (101, 42839),

Gene: Trooper_70 Start: 42983, Stop: 42744, Start Num: 61

Candidate Starts for Trooper_70:

(Start: 42 @43022 has 15 MA's), (Start: 61 @42983 has 32 MA's), (77, 42908), (82, 42875), (91, 42842), (93, 42833), (104, 42761),

Gene: Trouble_66 Start: 42897, Stop: 42604, Start Num: 40

Candidate Starts for Trouble_66:

(Start: 40 @42897 has 223 MA's), (Start: 64 @42852 has 1 MA's), (67, 42822), (75, 42774), (82, 42732),

Gene: Tubs_73 Start: 42568, Stop: 42290, Start Num: 44

Candidate Starts for Tubs_73:

(Start: 44 @42568 has 21 MA's), (76, 42460), (85, 42406), (87, 42397), (95, 42367),

Gene: Turj99_64 Start: 43466, Stop: 43173, Start Num: 40

Candidate Starts for Turj99_64:

(27, 43493), (Start: 40 @43466 has 223 MA's), (67, 43391), (75, 43343), (82, 43301),

Gene: Twister_63 Start: 41311, Stop: 41003, Start Num: 33

Candidate Starts for Twister_63:

(Start: 33 @41311 has 84 MA's), (52, 41269), (62, 41245), (84, 41122), (85, 41116), (91, 41098), (102, 41023),

Gene: TwoPeat_67 Start: 43318, Stop: 43025, Start Num: 40

Candidate Starts for TwoPeat_67:

(27, 43345), (Start: 40 @43318 has 223 MA's), (Start: 64 @43273 has 1 MA's), (67, 43243), (75, 43195), (82, 43153),

Gene: U2_62 Start: 43288, Stop: 42995, Start Num: 40

Candidate Starts for U2_62:

(27, 43315), (Start: 40 @43288 has 223 MA's), (Start: 64 @43243 has 1 MA's), (67, 43213), (75, 43165), (82, 43123),

Gene: Ugenie5_68 Start: 42856, Stop: 42578, Start Num: 44

Candidate Starts for Ugenie5_68:

(Start: 44 @42856 has 21 MA's), (76, 42748), (85, 42694), (87, 42685), (95, 42655),

Gene: Updawg_71 Start: 42915, Stop: 42676, Start Num: 61

Candidate Starts for Updawg_71:

(Start: 61 @42915 has 32 MA's), (67, 42888), (68, 42885), (77, 42840), (82, 42807), (91, 42774), (93, 42765), (95, 42753),

Gene: VA6_70 Start: 42966, Stop: 42727, Start Num: 61

Candidate Starts for VA6_70:

(Start: 42 @43005 has 15 MA's), (Start: 61 @42966 has 32 MA's), (67, 42939), (77, 42891), (82, 42858), (91, 42825), (93, 42816), (95, 42804), (103, 42747),

Gene: Vanisoa_70 Start: 43200, Stop: 42919, Start Num: 48

Candidate Starts for Vanisoa_70:

(Start: 48 @43200 has 1 MA's), (82, 43059), (95, 43005),

Gene: Violet_63 Start: 44154, Stop: 43861, Start Num: 40

Candidate Starts for Violet_63:

(27, 44181), (Start: 40 @44154 has 223 MA's), (Start: 64 @44109 has 1 MA's), (67, 44079), (75, 44031), (82, 43989),

Gene: Vix_68 Start: 42524, Stop: 42216, Start Num: 33

Candidate Starts for Vix_68:

(Start: 33 @42524 has 84 MA's), (Start: 42 @42506 has 15 MA's), (52, 42491), (Start: 59 @42470 has 11 MA's), (66, 42437), (75, 42386), (77, 42377), (80, 42350), (82, 42344), (91, 42311),

Gene: Waits_80 Start: 43700, Stop: 43422, Start Num: 49

Candidate Starts for Waits_80:

(21, 43775), (Start: 49 @43700 has 32 MA's), (72, 43622), (77, 43583), (82, 43550), (90, 43520), (91, 43517), (95, 43496), (98, 43463),

Gene: WalterMcMickey_63 Start: 41311, Stop: 41003, Start Num: 33

Candidate Starts for WalterMcMickey_63:

(Start: 33 @41311 has 84 MA's), (52, 41269), (62, 41245), (84, 41122), (85, 41116), (91, 41098), (102, 41023),

Gene: Warrior24_81 Start: 44177, Stop: 43899, Start Num: 49

Candidate Starts for Warrior24_81:

(21, 44252), (Start: 49 @44177 has 32 MA's), (72, 44099), (77, 44060), (82, 44027), (90, 43997), (91, 43994), (95, 43973), (98, 43940),

Gene: Watermelon_65 Start: 41890, Stop: 41597, Start Num: 40

Candidate Starts for Watermelon_65:

(27, 41917), (Start: 40 @41890 has 223 MA's), (Start: 64 @41845 has 1 MA's), (67, 41815), (75, 41767), (82, 41725),

Gene: Watson_71 Start: 42433, Stop: 42125, Start Num: 33

Candidate Starts for Watson_71:

(Start: 33 @42433 has 84 MA's), (Start: 42 @42415 has 15 MA's), (52, 42400), (Start: 59 @42379 has 11 MA's), (66, 42346), (75, 42295), (77, 42286), (80, 42259), (82, 42253), (91, 42220),

Gene: WeiHuaDA_71 Start: 43855, Stop: 43616, Start Num: 61

Candidate Starts for WeiHuaDA_71:

(Start: 42 @43894 has 15 MA's), (Start: 61 @43855 has 32 MA's), (77, 43780), (82, 43747), (91, 43714), (93, 43705), (95, 43693), (101, 43642),

Gene: Wheeler_68 Start: 43157, Stop: 42864, Start Num: 40

Candidate Starts for Wheeler_68:

(27, 43184), (Start: 40 @43157 has 223 MA's), (Start: 64 @43112 has 1 MA's), (67, 43082), (70, 43070), (75, 43034), (82, 42992),

Gene: Whitspit_61 Start: 40235, Stop: 39942, Start Num: 40

Candidate Starts for Whitspit_61:

(Start: 40 @40235 has 223 MA's), (Start: 64 @40190 has 1 MA's), (67, 40160), (75, 40112), (82, 40070),

Gene: WideWale_71 Start: 42915, Stop: 42676, Start Num: 61

Candidate Starts for WideWale_71:

(Start: 61 @42915 has 32 MA's), (67, 42888), (68, 42885), (77, 42840), (82, 42807), (91, 42774), (93, 42765), (95, 42753),

Gene: Wilkins_64 Start: 41487, Stop: 41194, Start Num: 40

Candidate Starts for Wilkins_64:

(27, 41514), (Start: 40 @41487 has 223 MA's), (Start: 64 @41442 has 1 MA's), (67, 41412), (75, 41364), (82, 41322),

Gene: Wooldri_74 Start: 42353, Stop: 42045, Start Num: 33

Candidate Starts for Wooldri_74:

(Start: 33 @42353 has 84 MA's), (Start: 42 @42335 has 15 MA's), (52, 42320), (Start: 59 @42299 has 11 MA's), (66, 42266), (75, 42215), (77, 42206), (80, 42179), (82, 42173), (91, 42140),

Gene: WorldCup_70 Start: 42333, Stop: 42031, Start Num: 35

Candidate Starts for WorldCup_70:

(9, 42543), (Start: 35 @42333 has 5 MA's), (82, 42171), (95, 42117),

Gene: XianYue_66 Start: 42239, Stop: 41988, Start Num: 55

Candidate Starts for XianYue_66:

(36, 42275), (Start: 55 @42239 has 2 MA's), (68, 42197), (77, 42152), (82, 42119), (91, 42086), (93, 42077), (95, 42065),

Gene: Yecey3_74 Start: 42420, Stop: 42151, Start Num: 50

Candidate Starts for Yecey3_74:

(Start: 50 @42420 has 2 MA's), (75, 42324), (76, 42321), (85, 42267), (87, 42258), (95, 42228),

Gene: Zeeculate_65 Start: 43127, Stop: 42834, Start Num: 40

Candidate Starts for Zeeculate_65:

(Start: 40 @43127 has 223 MA's), (Start: 64 @43082 has 1 MA's), (67, 43052), (75, 43004), (82, 42962), (101, 42857),

Gene: Zephyr_67 Start: 42228, Stop: 41935, Start Num: 40

Candidate Starts for Zephyr_67:

(27, 42255), (Start: 40 @42228 has 223 MA's), (Start: 64 @42183 has 1 MA's), (67, 42153), (75, 42105), (82, 42063),

Gene: Zetzy_69 Start: 42004, Stop: 41696, Start Num: 33

Candidate Starts for Zetzy_69:

(Start: 33 @42004 has 84 MA's), (Start: 42 @41986 has 15 MA's), (52, 41971), (Start: 59 @41950 has 11 MA's), (66, 41917), (75, 41866), (77, 41857), (80, 41830), (82, 41824), (91, 41791),

Gene: Zeuska_71 Start: 45391, Stop: 45098, Start Num: 40

Candidate Starts for Zeuska_71:

(Start: 40 @45391 has 223 MA's), (Start: 64 @45346 has 1 MA's), (67, 45316), (75, 45268), (82, 45226),

Gene: Zimmer_68 Start: 43433, Stop: 43122, Start Num: 33

Candidate Starts for Zimmer_68:

(Start: 31 @43436 has 1 MA's), (Start: 33 @43433 has 84 MA's), (Start: 55 @43385 has 2 MA's), (67, 43334), (75, 43295), (77, 43286), (82, 43253), (88, 43226), (101, 43148),

Gene: Zolita_64 Start: 41874, Stop: 41623, Start Num: 58

Candidate Starts for Zolita_64:

(Start: 58 @41874 has 9 MA's), (Start: 65 @41862 has 2 MA's), (75, 41790), (77, 41781), (78, 41766),
(93, 41703), (98, 41658), (102, 41637), (104, 41631),